

HUSKY OIL NPR OPERATIONS, INC.
TUNALIK TEST WELL NO. 1
NATIONAL PETROLEUM RESERVE, ALASKA

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INTEGRATED ONE-WAY TIME (INS)	DEPTH DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
1101	2202	10223	11187
1102	2204	10160	11186
1103	2206	10945	11185
1104	2214	10109	11183
1105	2216	10863	11181
1106	2218	10152	11178
1107	2220	10060	11177
1108	2222	10191	11176
1109	2224	10057	11175
1110	2226	10151	11174
1111	2228	10057	11173
1112	2230	10152	11172
1113	2232	10057	11171
1114	2234	10152	11170
1115	2236	10057	11169
1116	2238	10152	11168
1117	2240	10057	11167
1118	2242	10152	11166
1119	2244	10057	11165
1120	2246	10152	11164
1121	2248	10057	11163
1122	2250	10152	11162
1123	2252	10057	11161
1124	2254	10152	11160
1125	2256	10057	11159
1126	2258	10152	11158
1127	2260	10057	11157
1128	2262	10152	11156
1129	2264	10057	11155
1130	2266	10152	11154
1131	2268	10057	11153
1132	2270	10152	11152
1133	2272	10057	11151
1134	2274	10152	11150
1135	2276	10057	11149
1136	2278	10152	11148
1137	2280	10057	11147
1138	2282	10152	11146
1139	2284	10057	11145
1140	2286	10152	11144
1141	2288	10057	11143
1142	2290	10152	11142
1143	2292	10057	11141
1144	2294	10152	11140
1145	2296	10057	11139
1146	2298	10152	11138
1147	2300	10057	11137

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INTEGRATED TWO-WAY TIME (TWS)	DEPTH DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
115.1	230.2	1061.7	1115.2
115.3	230.6	939.5	1114.9
115.5	231.0	941.8	1114.8
115.6	231.4	944.5	1114.6
115.6	231.8	941.8	1114.5
115.6	232.2	942.2	1114.3
115.6	232.6	943.7	1113.5
115.6	233.0	944.4	1114.2
115.6	233.4	945.1	1114.1
115.6	233.8	945.8	1114.1
115.6	234.2	946.3	1114.1
115.6	234.6	946.8	1114.1
115.6	235.0	947.2	1114.1
115.6	235.4	947.6	1114.1
115.6	235.8	948.0	1114.1
115.6	236.2	948.4	1114.1
115.6	236.6	948.8	1114.1
115.6	237.0	949.2	1114.1
115.6	237.4	949.6	1114.1
115.6	237.8	950.0	1114.1
115.6	238.2	950.4	1114.1
115.6	238.6	950.8	1114.1
115.6	239.0	951.2	1114.1
115.6	239.4	951.6	1114.1
115.6	239.8	952.0	1114.1
115.6	240.2	952.4	1114.1
115.6	240.6	952.8	1114.1
115.6	241.0	953.2	1114.1
115.6	241.4	953.6	1114.1
115.6	241.8	954.0	1114.1
115.6	242.2	954.4	1114.1
115.6	242.6	954.8	1114.1
115.6	243.0	955.2	1114.1
115.6	243.4	955.6	1114.1
115.6	243.8	956.0	1114.1
115.6	244.2	956.4	1114.1
115.6	244.6	956.8	1114.1
115.6	245.0	957.2	1114.1
115.6	245.4	957.6	1114.1
115.6	245.8	958.0	1114.1
115.6	246.2	958.4	1114.1
115.6	246.6	958.8	1114.1
115.6	247.0	959.2	1114.1
115.6	247.4	959.6	1114.1
115.6	247.8	960.0	1114.1
115.6	248.2	960.4	1114.1
115.6	248.6	960.8	1114.1
115.6	249.0	961.2	1114.1
115.6	249.4	961.6	1114.1
115.6	249.8	962.0	1114.1
115.6	250.2	962.4	1114.1
115.6	250.6	962.8	1114.1
115.6	251.0	963.2	1114.1
115.6	251.4	963.6	1114.1
115.6	251.8	964.0	1114.1
115.6	252.2	964.4	1114.1
115.6	252.6	964.8	1114.1
115.6	253.0	965.2	1114.1
115.6	253.4	965.6	1114.1
115.6	253.8	966.0	1114.1
115.6	254.2	966.4	1114.1
115.6	254.6	966.8	1114.1
115.6	255.0	967.2	1114.1
115.6	255.4	967.6	1114.1
115.6	255.8	968.0	1114.1
115.6	256.2	968.4	1114.1
115.6	256.6	968.8	1114.1
115.6	257.0	969.2	1114.1
115.6	257.4	969.6	1114.1
115.6	257.8	970.0	1114.1
115.6	258.2	970.4	1114.1
115.6	258.6	970.8	1114.1
115.6	259.0	971.2	1114.1
115.6	259.4	971.6	1114.1
115.6	259.8	972.0	1114.1
115.6	260.2	972.4	1114.1
115.6	260.6	972.8	1114.1
115.6	261.0	973.2	1114.1
115.6	261.4	973.6	1114.1
115.6	261.8	974.0	1114.1
115.6	262.2	974.4	1114.1
115.6	262.6	974.8	1114.1
115.6	263.0	975.2	1114.1
115.6	263.4	975.6	1114.1
115.6	263.8	976.0	1114.1
115.6	264.2	976.4	1114.1
115.6	264.6	976.8	1114.1
115.6	265.0	977.2	1114.1
115.6	265.4	977.6	1114.1
115.6	265.8	978.0	1114.1
115.6	266.2	978.4	1114.1
115.6	266.6	978.8	1114.1
115.6	267.0	979.2	1114.1
115.6	267.4	979.6	1114.1
115.6	267.8	980.0	1114.1
115.6	268.2	980.4	1114.1
115.6	268.6	980.8	1114.1
115.6	269.0	981.2	1114.1
115.6	269.4	981.6	1114.1
115.6	269.8	982.0	1114.1
115.6	270.2	982.4	1114.1
115.6	270.6	982.8	1114.1
115.6	271.0	983.2	1114.1
115.6	271.4	983.6	1114.1
115.6	271.8	984.0	1114.1
115.6	272.2	984.4	1114.1
115.6	272.6	984.8	1114.1
115.6	273.0	985.2	1114.1
115.6	273.4	985.6	1114.1
115.6	273.8	986.0	1114.1
115.6	274.2	986.4	1114.1
115.6	274.6	986.8	1114.1
115.6	275.0	987.2	1114.1
115.6	275.4	987.6	1114.1
115.6	275.8	988.0	1114.1
115.6	276.2	988.4	1114.1
115.6	276.6	988.8	1114.1
115.6	277.0	989.2	1114.1
115.6	277.4	989.6	1114.1
115.6	277.8	990.0	1114.1
115.6	278.2	990.4	1114.1
115.6	278.6	990.8	1114.1
115.6	279.0	991.2	1114.1
115.6	279.4	991.6	1114.1
115.6	279.8	992.0	1114.1
115.6	280.2	992.4	1114.1
115.6	280.6	992.8	1114.1
115.6	281.0	993.2	1114.1
115.6	281.4	993.6	1114.1
115.6	281.8	994.0	1114.1
115.6	282.2	994.4	1114.1
115.6	282.6	994.8	1114.1
115.6	283.0	995.2	1114.1
115.6	283.4	995.6	1114.1
115.6	283.8	996.0	1114.1
115.6	284.2	996.4	1114.1
115.6	284.6	996.8	1114.1
115.6	285.0	997.2	1114.1
115.6	285.4	997.6	1114.1
115.6	285.8	998.0	1114.1
115.6	286.2	998.4	1114.1
115.6	286.6	998.8	1114.1
115.6	287.0	999.2	1114.1
115.6	287.4	999.6	1114.1
115.6	287.8	1000.0	1114.1
115.6	288.2	1000.4	1114.1
115.6	288.6	1000.8	1114.1
115.6	289.0	1001.2	1114.1
115.6	289.4	1001.6	1114.1
115.6	289.8	1002.0	1114.1
115.6	290.2	1002.4	1114.1
115.6	290.6	1002.8	1114.1
115.6	291.0	1003.2	1114.1
115.6	291.4	1003.6	1114.1
115.6	291.8	1004.0	1114.1
115.6	292.2	1004.4	1114.1
115.6	292.6	1004.8	1114.1
115.6	293.0	1005.2	1114.1
115.6	293.4	1005.6	1114.1
115.6	293.8	1006.0	1114.1
115.6	294.2	1006.4	1114.1
115.6	294.6	1006.8	1114.1
115.6	295.0	1007.2	1114.1
115.6	295.4	1007.6	1114.1
115.6	295.8	1008.0	1114.1
115.6	296.2	1008.4	1114.1
115.6	296.6	1008.8	1114.1
115.6	297.0	1009.2	1114.1
115.6	297.4	1009.6	1114.1
115.6	297.8	1009.8	1114.1
115.6	298.2	1010.0	1114.1
115.6	298.6	1010.2	1114.1
115.6	299.0	1010.4	1114.1
115.6	299.4	1010.6	1114.1
115.6	299.8	1010.8	1114.1
115.6	300.2	1011.0	1114.1
115.6	300.6	1011.2	1114.1
115.6	301.0	1011.4	1114.1
115.6	301.4	1011.6	1114.1
115.6	301.8	1011.8	1114.1
115.6	302.2	1012.0	1114.1
115.6	302.6	1012.2	1114.1
115.6	303.0	1012.4	1114.1
115.6	303.4	1012.6	1114.1
115.6	303.8	1012.8	1114.1
115.6	304.2	1013.0	1114.1
115.6	304.6	1013.2	1114.1
115.6	305.0	1013.4	1114.1
115.6	305.4	1013.6	1114.1
115.6	305.8	1013.8	1114.1
115.6	306.2	1014.0	1114.1
115.6	306.6	1014.2	1114.1
115.6	307.0	1014.4	1114.1
115.6	307.4	1014.6	1114.1
115.6	307.8	1014.8	1114.1
115.6	308.2	1015.0	1114.1
115.6	308.6	1015.2	1114.1
115.6	309.0	1015.4	1114.1
115.6	309.4	1015.6	1114.1
115.6	309.8	1015.8	1114.1
115.6	310.2	1016.0	1114.1
115.6	310.6	1016.2	1114.1
115.6	311.0	1016.4	1114.1
115.6	311.4	1016.6	1114.1
115.6	311.8	1016.8	1114.1
115.6	312.2	1017.0	1114.1
115.6	312.6	1017.2	1114.1
115.6	313.0	1017.4	1114.1
115.6	313.4	1017.6	1114.1
115.6	313.8	1017.8	1114.1
115.6	314.2	1018.0	1114.1
115.6	314.6	1018.2	1114.1
115.6	315.0	1018.4	1114.1
115.6	315.4	1018.6	1114.1
115.6	315.8	1018.8	1114.1
115.6	316.2	1019.0	1114.1
115.6	316.6	1019.2	1114.1
115.6	317.0	1019.4	1114.1
115.6	317.4	1019.6	1114.1
115.6	317.8	1019.8	1114.1
115.6	318.2	1020.0	1114.1
115.6	318.6	1020.2	1114.1
115.6	319.0	1020.4	1114.1
115.6	319.4	1020.6	1114.1
115.6	319.8	1020.8	1114.1
115.6	320.2	1021.0	1114.1
115.6	320.6	1021.2	1114.1
115.6	321.0	1021.4	1114.1
115.6	321.4	1021.6	1114.1
115.6	321.8	1021.8	1114.1
115.6	322.2	1022.0	1114.1
115.6	322.6	1022.2	1114.1
115.6	323.0	1022.4	1114.1
115.6	323.4	1022.6	1114.1
115.6	323.8	1022.8	1114.1
115.6	324.2	1023.0	1114.1
115.6	324.6	1023.2	1114.1
115.6	325.0	1023.4	1114.1
115.6	325.4	1023.6	1114.1
115.6	325.8	1023.8	1114.1
115.6	326.		

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INTEGRATED ONE-WAY TIME (MS)	TWO-WAY TIME (MS)	DEPTH BELLOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
1201	2402	13329	1097	1097
1202	2404	13354	11098	11098
1203	2406	13398	11100	11100
1204	2408	13425	11101	11101
1205	2410	13452	11102	11102
1206	2412	13486	11103	11103
1207	2414	13495	11104	11104
1208	2416	13517	11105	11105
1209	2418	13547	11106	11106
1210	2420	13570	11107	11107
1211	2422	13594	11108	11108
1212	2424	13617	11109	11109
1213	2426	13640	11110	11110
1214	2428	13653	11111	11111
1215	2430	13676	11112	11112
1216	2432	13699	11113	11113
1217	2434	13721	11114	11114
1218	2436	13743	11115	11115
1219	2438	13766	11116	11116
1220	2440	13789	11117	11117
1221	2442	13812	11118	11118
1222	2444	13835	11119	11119
1223	2446	13858	11120	11120
1224	2448	13880	11121	11121
1225	2450	13903	11122	11122
1226	2452	13926	11123	11123
1227	2454	13948	11124	11124
1228	2456	13971	11125	11125
1229	2458	13993	11126	11126
1230	2460	14015	11127	11127
1231	2462	14037	11128	11128
1232	2464	14059	11129	11129
1233	2466	14081	11130	11130
1234	2468	14103	11131	11131
1235	2470	14125	11132	11132
1236	2472	14147	11133	11133
1237	2474	14169	11134	11134
1238	2476	14191	11135	11135
1239	2478	14213	11136	11136
1240	2480	14235	11137	11137
1241	2482	14257	11138	11138
1242	2484	14279	11139	11139
1243	2486	14301	11140	11140
1244	2488	14323	11141	11141
1245	2490	14345	11142	11142
1246	2492	14367	11143	11143
1247	2494	14389	11144	11144
1248	2496	14411	11145	11145
1249	2498	14433	11146	11146
1250	2500	14455	11147	11147

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INTEGRATED ONE-WAY TIME (TWS)	INTEGRATED TWO-WAY TIME (TWS)	DEPTH DOWN (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
125.1	250.2	13849.4	864.8	11071
125.2	250.4	13855.5	852.0	11069
125.3	250.6	13862.7	760.2	11066
125.4	251.0	13870.7	780.7	11063
125.5	251.4	13877.2	753.5	11058
125.6	251.8	13884.5	858.0	11056
125.7	252.2	13891.2	867.5	11054
125.8	252.6	13895.7	831.3	11052
125.9	253.0	13903.4	823.0	11048
126.0	253.4	13910.4	834.3	11045
126.1	253.8	13917.0	803.7	11043
126.2	254.2	13923.9	814.5	11041
126.3	254.6	13930.5	837.8	11039
126.4	255.0	13937.1	803.5	11037
126.5	255.4	13943.7	812.7	11035
126.6	255.8	13950.3	800.7	11033
126.7	256.2	13957.1	804.0	11031
126.8	256.6	13964.7	800.5	11029
126.9	257.0	13971.4	800.0	11027
127.0	257.4	13978.0	800.5	11025
127.1	257.8	13985.6	800.0	11023
127.2	258.2	13993.2	800.5	11021
127.3	258.6	13999.8	800.0	11019
127.4	259.0	14006.4	800.5	11017
127.5	259.4	14013.0	800.0	11015
127.6	259.8	14019.6	800.5	11013
127.7	260.2	14026.2	800.0	11011
127.8	260.6	14032.8	800.5	11009
127.9	261.0	14039.4	800.0	11007
128.0	261.4	14046.0	800.5	11005
128.1	261.8	14052.6	800.0	11003
128.2	262.2	14059.2	800.5	11001
128.3	262.6	14065.8	800.0	11000
128.4	263.0	14072.4	800.5	11099
128.5	263.4	14079.0	800.0	11097
128.6	263.8	14085.6	800.5	11096
128.7	264.2	14092.2	800.0	11095
128.8	264.6	14098.8	800.5	11094
128.9	265.0	14105.4	800.0	11093
129.0	265.4	14112.0	800.5	11092
129.1	265.8	14118.6	800.0	11091
129.2	266.2	14125.2	800.5	11090
129.3	266.6	14131.8	800.0	11089
129.4	267.0	14138.4	800.5	11088
129.5	267.4	14145.0	800.0	11087
129.6	267.8	14151.6	800.5	11086
129.7	268.2	14158.2	800.0	11085
129.8	268.6	14164.8	800.5	11084
129.9	269.0	14171.4	800.0	11083
130.0	269.4	14178.0	800.5	11082
130.1	269.8	14184.6	800.0	11081
130.2	270.2	14191.2	800.5	11080
130.3	270.6	14197.8	800.0	11079
130.4	271.0	14204.4	800.5	11078
130.5	271.4	14211.0	800.0	11077
130.6	271.8	14217.6	800.5	11076
130.7	272.2	14224.2	800.0	11075
130.8	272.6	14230.8	800.5	11074
130.9	273.0	14237.4	800.0	11073
131.0	273.4	14244.0	800.5	11072
131.1	273.8	14250.6	800.0	11071
131.2	274.2	14257.2	800.5	11070
131.3	274.6	14263.8	800.0	11069
131.4	275.0	14270.4	800.5	11068
131.5	275.4	14277.0	800.0	11067
131.6	275.8	14283.6	800.5	11066
131.7	276.2	14289.2	800.0	11065
131.8	276.6	14295.8	800.5	11064
131.9	277.0	14302.4	800.0	11063
132.0	277.4	14309.0	800.5	11062
132.1	277.8	14315.6	800.0	11061
132.2	278.2	14322.2	800.5	11060
132.3	278.6	14328.8	800.0	11059
132.4	279.0	14335.4	800.5	11058
132.5	279.4	14342.0	800.0	11057
132.6	279.8	14348.6	800.5	11056
132.7	280.2	14355.2	800.0	11055
132.8	280.6	14361.8	800.5	11054
132.9	281.0	14368.4	800.0	11053
133.0	281.4	14375.0	800.5	11052
133.1	281.8	14381.6	800.0	11051
133.2	282.2	14388.2	800.5	11050
133.3	282.6	14394.8	800.0	11049
133.4	283.0	14401.4	800.5	11048
133.5	283.4	14408.0	800.0	11047
133.6	283.8	14414.6	800.5	11046
133.7	284.2	14421.2	800.0	11045
133.8	284.6	14427.8	800.5	11044
133.9	285.0	14434.4	800.0	11043
134.0	285.4	14441.0	800.5	11042
134.1	285.8	14447.6	800.0	11041
134.2	286.2	14454.2	800.5	11040
134.3	286.6	14460.8	800.0	11039
134.4	287.0	14467.4	800.5	11038
134.5	287.4	14474.0	800.0	11037
134.6	287.8	14480.6	800.5	11036
134.7	288.2	14487.2	800.0	11035
134.8	288.6	14493.8	800.5	11034
134.9	289.0	14500.4	800.0	11033
135.0	289.4	14507.0	800.5	11032
135.1	289.8	14513.6	800.0	11031
135.2	290.2	14519.2	800.5	11030
135.3	290.6	14525.8	800.0	11029
135.4	291.0	14532.4	800.5	11028
135.5	291.4	14539.0	800.0	11027
135.6	291.8	14545.6	800.5	11026
135.7	292.2	14552.2	800.0	11025
135.8	292.6	14558.8	800.5	11024
135.9	293.0	14565.4	800.0	11023
136.0	293.4	14572.0	800.5	11022
136.1	293.8	14578.6	800.0	11021
136.2	294.2	14585.2	800.5	11020
136.3	294.6	14591.8	800.0	11019
136.4	295.0	14598.4	800.5	11018
136.5	295.4	14605.0	800.0	11017
136.6	295.8	14611.6	800.5	11016
136.7	296.2	14618.2	800.0	11015
136.8	296.6	14624.8	800.5	11014
136.9	297.0	14631.4	800.0	11013
137.0	297.4	14638.0	800.5	11012
137.1	297.8	14644.6	800.0	11011
137.2	298.2	14651.2	800.5	11010
137.3	298.6	14657.8	800.0	11009
137.4	299.0	14664.4	800.5	11008
137.5	299.4	14671.0	800.0	11007
137.6	299.8	14677.6	800.5	11006
137.7	300.2	14684.2	800.0	11005
137.8	300.6	14690.8	800.5	11004
137.9	301.0	14697.4	800.0	11003
138.0	301.4	14704.0	800.5	11002
138.1	301.8	14710.6	800.0	11001
138.2	302.2	14717.2	800.5	11000
138.3	302.6	14723.8	800.0	11099
138.4	303.0	14729.4	800.5	11098
138.5	303.4	14736.0	800.0	11097
138.6	303.8	14742.6	800.5	11096
138.7	304.2	14749.2	800.0	11095
138.8	304.6	14755.8	800.5	11094
138.9	305.0	14762.4	800.0	11093
139.0	305.4	14769.0	800.5	11092
139.1	305.8	14775.6	800.0	11091
139.2	306.2	14782.2	800.5	11090
139.3	306.6	14788.8	800.0	11089
139.4	307.0	14795.4	800.5	11088
139.5	307.4	14802.0	800.0	11087
139.6	307.8	14808.6	800.5	11086
139.7	308.2	14815.2	800.0	11085
139.8	308.6	14821.8	800.5	11084
139.9	309.0	14828.4	800.0	11083
140.0	309.4	14835.0	800.5	11082
140.1	309.8	14841.6	800.0	11081
140.2	310.2	14848.2	800.5	11080
140.3	310.6	14854.8	800.0	11079
140.4	311.0	14861.4	800.5	11078
140.5	311.4	14868.0	800.0	11077
140.6	311.8	14874.6	800.5	11076
140.7	312.2	14881.2	800.0	11075
140.8	312.6	14887.8	800.5	11074
140.9	313.0	14894.4	800.0	11073
141.0	313.4	14901.0	800.5	11072
141.1	313.8	14907.6	800.0	11071
141.2	314.2	14914.2	800.5	11070
141.3	314.6	14920.8	800.0	11069
141.4	315.0	14927.4	800.5	11068
141.5	315.4	14934.0	800.0	11067
141.6	315.8	14940.6	800.5	11066
141.7	316.2	14947.2	800.0	11065
141.8	316.6	14953.8	800.5	11064
141.9	317.0	14960.4	800.0	11063
142.0	317.4	14967.0	800.5	11062
142.1	317.8	14973.6	800.0	11061
142.2	318.2	14980.2	800.5	11060
142.3	318.6	14986.8	800.0	11059
142.4	319.0	14993.4	800.5	11058
142.5	319.4	15000.0	800.0	11057

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INTEGRATED ONE-WAY TIME (MS)	TWO-WAY TIME (MS)	DEPTH BELOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
1301	2602	14316.0	13035	11004
1302	2604	14329.5	13477	11006
1303	2606	14342.7	13191	11007
1304	2610	14356.9	12287	11009
1305	2612	14368.1	12657	11011
1306	2614	14381.3	12216	11012
1307	2616	14394.5	12645	11013
1308	2618	14406.7	12157	11014
1309	2620	14418.0	10016	11015
1310	2622	14430.2	10017	11016
1311	2624	14442.4	10018	11017
1312	2626	14454.6	10019	11018
1313	2628	14467.9	12645	11019
1314	2630	14480.2	12955	11020
1315	2632	14492.4	12102	11021
1316	2634	14505.6	10223	11022
1317	2636	14517.8	10223	11023
1318	2638	14530.0	10223	11024
1319	2640	14542.2	10223	11025
1320	2642	14554.4	10223	11026
1321	2644	14567.6	10223	11027
1322	2646	14580.8	10223	11028
1323	2648	14593.0	10223	11029
1324	2650	14605.2	10223	11030
1325	2652	14617.4	10223	11031
1326	2654	14630.6	10223	11032
1327	2656	14642.8	10223	11033
1328	2658	14655.0	10223	11034
1329	2660	14667.2	10223	11035
1330	2662	14680.4	10223	11036
1331	2664	14692.6	10223	11037
1332	2666	14705.8	10223	11038
1333	2668	14718.0	10223	11039
1334	2670	14731.2	10223	11040
1335	2672	14743.4	10223	11041
1336	2674	14756.6	10223	11042
1337	2676	14769.8	10223	11043
1338	2678	14782.0	10223	11044
1339	2680	14794.2	10223	11045
1340	2682	14806.4	10223	11046
1341	2684	14818.6	10223	11047
1342	2686	14830.8	10223	11048
1343	2688	14843.0	10223	11049
1344	2690	14855.2	10223	11050
1345	2692	14867.4	10223	11051
1346	2694	14880.6	10223	11052
1347	2696	14892.8	10223	11053
1348	2698	14905.0	10223	11054
1349	2700	14917.2	10223	11055

HUSKY OIL OPERATIONS, INC.
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INTEGRATED ONE-WAY TIME TWSF	DEPTH BELOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
135.1	2702	14866.2	11019
135.2	2704	14906.6	11018
135.3	2706	14925.6	11017
135.4	2710	14935.6	11016
135.5	2714	14944.4	11015
135.6	2718	14953.5	11014
135.7	2720	14962.5	11013
135.8	2724	14971.9	11012
135.9	2728	14980.8	11009
136.0	2732	14989.0	11008
136.1	2736	14997.7	11007
136.2	2740	15006.4	11006
136.3	2744	15002.1	11005
136.4	2748	15002.2	11004
136.5	2752	15003.3	11003
136.6	2756	15004.2	11002
136.7	2760	15005.1	11001
136.8	2764	15006.0	11000
136.9	2768	15006.6	11000
137.0	2772	15006.6	11000
137.1	2776	15006.6	11000
137.2	2780	15006.6	11000
137.3	2784	15006.6	11000
137.4	2788	15006.6	11000
137.5	2792	15006.6	11000
137.6	2796	15006.6	11000
137.7	2800	15006.6	11000

HUSKY OIL NPR OPERATIONS, INC.
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INTEGRATED ONE-WAY TIME (MSI)	TWO-WAY TIME (MSI)	DEPTH BELOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
1401	2802	1544	8.8	13230
1402	2804	1546	7.6	13730
1403	2806	1547	7.4	14281
1404	2810	1550	5.0	14527
1405	2812	1552	4.8	14590
1406	2814	1553	4.2	14217
1407	2818	1554	4.7	14129
1408	2820	1555	3.7	14188
1409	2822	1556	3.4	14129
1410	2824	1556	3.0	14188
1411	2826	1557	3.0	14188
1412	2828	1560	5.4	14188
1413	2830	1561	3.0	13955
1414	2832	1563	3.7	13955
1415	2834	1564	3.0	13955
1416	2836	1565	0.5	13955
1417	2838	1566	0.2	13955
1418	2840	1567	0.2	13955
1419	2842	1568	0.4	13955
1420	2844	1570	0.4	13955
1421	2846	1571	0.4	13955
1422	2848	1572	0.4	13955
1423	2850	1573	0.4	13955
1424	2852	1574	0.4	13955
1425	2854	1575	0.4	13955
1426	2856	1576	0.4	13955
1427	2858	1577	0.4	13955
1428	2860	1578	0.4	13955
1429	2862	1579	0.4	13955
1430	2864	1580	0.4	13955
1431	2866	1581	0.4	13955
1432	2868	1582	0.4	13955
1433	2870	1583	0.4	13955
1434	2872	1584	0.4	13955
1435	2874	1585	0.4	13955
1436	2876	1586	0.4	13955
1437	2878	1587	0.4	13955
1438	2880	1588	0.4	13955
1439	2882	1589	0.4	13955
1440	2884	1590	0.4	13955
1441	2886	1591	0.4	13955
1442	2888	1592	0.4	13955
1443	2890	1593	0.4	13955
1444	2892	1594	0.4	13955
1445	2894	1595	0.4	13955
1446	2896	1596	0.4	13955
1447	2898	1597	0.4	13955
1448	2900	1598	0.4	13955

HUSKY OIL NPR OPERATIONS, INC.
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INTEGRATED ONE-WAY TIME (MS)	TWO-WAY TIME (MS)	DEPTH BELOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
1451	2902	16130.9	13398	111117
1452	2904	16144.5	13652	111119
1453	2906	16157.9	13371	111120
1454	2908	16171.5	13559	111124
1455	2910	16185.0	13629	111125
1456	2912	16211.5	13590	111127
1457	2914	16239.0	13241	111130
1458	2916	16256.0	13594	111132
1459	2918	16279.0	12942	111134
1460	2920	16309.0	12945	111135
1461	2922	16327.0	12714	111137
1462	2924	16356.0	12947	111139
1463	2926	16386.0	12940	111140
1464	2928	16414.0	12943	111142
1465	2930	16442.0	12946	111144
1466	2932	16470.0	12947	111146
1467	2934	16500.0	12948	111148
1468	2936	16529.0	12950	111150
1469	2938	16557.0	12952	111152
1470	2940	16587.0	12954	111154
1471	2942	16617.0	12956	111156
1472	2944	16647.0	12958	111158
1473	2946	16677.0	12960	111160
1474	2948	16707.0	12962	111162
1475	2950	16737.0	12964	111164
1476	2952	16767.0	12966	111166
1477	2954	16797.0	12968	111168
1478	2956	16827.0	12970	111170
1479	2958	16857.0	12972	111172
1480	2960	16887.0	12974	111174
1481	2962	16917.0	12976	111176
1482	2964	16947.0	12978	111178
1483	2966	16977.0	12980	111180
1484	2968	17007.0	12982	111182
1485	2970	17037.0	12984	111184
1486	2972	17067.0	12986	111186
1487	2974	17097.0	12988	111188
1488	2976	17127.0	12990	111190
1489	2978	17157.0	12992	111192
1490	2980	17187.0	12994	111194
1491	2982	17217.0	12996	111196
1492	2984	17247.0	12998	111198
1493	2986	17277.0	13000	111200

HUSKY OIL/NPR OPERATIONS, INC.
TUNALIK TEST WELL NO. 1
NATIONAL PETROLEUM RESERVE, ALASKA

INTEGRATED TWO-WAY TIME (MS)	DEPTH BELOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
150.1	3002	16795.3	16191
150.2	30004	16812.6	17284
150.3	30008	16863.1	16348
150.4	3010	16880.1	17046
150.5	3012	16884.6	14569
150.6	3014	16880.7	15996
150.7	3018	16943.7	15906
150.8	3020	16980.6	15904
150.9	3024	16947.1	15902
151.0	3028	16902.5	19590
151.1	3032	17044.0	19674
151.2	3036	17024.5	19742
151.3	3040	17084.3	19725
151.4	3044	17142.0	19749
151.5	3048	17196.4	19755
151.6	3052	17242.0	19750
151.7	3056	17296.4	19754
151.8	3060	17351.4	19759
151.9	3064	17406.4	19764
152.0	3068	17461.6	19769
152.1	3072	17516.0	19774
152.2	3076	17571.4	19779
152.3	3080	17626.0	19804
152.4	3084	17681.4	19809
152.5	3088	17736.0	19847
152.6	3092	17791.4	19857
152.7	3096	17846.0	19867
152.8	3100	17891.4	19877
152.9	3104	17946.0	19887
153.0	3108	17991.4	19897
153.1	3112	18046.0	19907
153.2	3116	18091.4	19917
153.3	3120	18146.0	19927
153.4	3124	18191.4	19937
153.5	3128	18246.0	19947
153.6	3132	18291.4	19957
153.7	3136	18346.0	19967
153.8	3140	18391.4	19977
153.9	3144	18446.0	19987
154.0	3148	18491.4	19997
154.1	3152	18546.0	20007
154.2	3156	18591.4	20017
154.3	3160	18646.0	20027
154.4	3164	18691.4	20037
154.5	3168	18746.0	20047
154.6	3172	18791.4	20057
154.7	3176	18846.0	20067
154.8	3180	18891.4	20077
154.9	3184	18946.0	20087
155.0	3188	18991.4	20097
155.1	3192	19046.0	20107
155.2	3196	19091.4	20117
155.3	3200	19146.0	20127
155.4	3204	19191.4	20137
155.5	3208	19246.0	20147
155.6	3212	19291.4	20157
155.7	3216	19346.0	20167
155.8	3220	19391.4	20177
155.9	3224	19446.0	20187
156.0	3228	19491.4	20197
156.1	3232	19546.0	20207
156.2	3236	19591.4	20217
156.3	3240	19646.0	20227
156.4	3244	19691.4	20237
156.5	3248	19746.0	20247
156.6	3252	19791.4	20257
156.7	3256	19846.0	20267
156.8	3260	19891.4	20277
156.9	3264	19946.0	20287
157.0	3268	19991.4	20297
157.1	3272	20046.0	20307
157.2	3276	20091.4	20317
157.3	3280	20146.0	20327
157.4	3284	20191.4	20337
157.5	3288	20246.0	20347
157.6	3292	20291.4	20357
157.7	3296	20346.0	20367
157.8	3300	20391.4	20377
157.9	3304	20446.0	20387
158.0	3308	20491.4	20397
158.1	3312	20546.0	20407
158.2	3316	20591.4	20417
158.3	3320	20646.0	20427
158.4	3324	20691.4	20437
158.5	3328	20746.0	20447
158.6	3332	20791.4	20457
158.7	3336	20846.0	20467
158.8	3340	20891.4	20477
158.9	3344	20946.0	20487
159.0	3348	20991.4	20497
159.1	3352	21046.0	20507
159.2	3356	21091.4	20517
159.3	3360	21146.0	20527
159.4	3364	21191.4	20537
159.5	3368	21246.0	20547
159.6	3372	21291.4	20557
159.7	3376	21346.0	20567
159.8	3380	21391.4	20577
159.9	3384	21446.0	20587
160.0	3388	21491.4	20597
160.1	3392	21546.0	20607
160.2	3396	21591.4	20617
160.3	3400	21646.0	20627
160.4	3404	21691.4	20637
160.5	3408	21746.0	20647
160.6	3412	21791.4	20657
160.7	3416	21846.0	20667
160.8	3420	21891.4	20677
160.9	3424	21946.0	20687
161.0	3428	21991.4	20697
161.1	3432	22046.0	20707
161.2	3436	22091.4	20717
161.3	3440	22146.0	20727
161.4	3444	22191.4	20737
161.5	3448	22246.0	20747
161.6	3452	22291.4	20757
161.7	3456	22346.0	20767
161.8	3460	22391.4	20777
161.9	3464	22446.0	20787
162.0	3468	22491.4	20797
162.1	3472	22546.0	20807
162.2	3476	22591.4	20817
162.3	3480	22646.0	20827
162.4	3484	22691.4	20837
162.5	3488	22746.0	20847
162.6	3492	22791.4	20857
162.7	3496	22846.0	20867
162.8	3500	22891.4	20877
162.9	3504	22946.0	20887
163.0	3508	22991.4	20897
163.1	3512	23046.0	20907
163.2	3516	23091.4	20917
163.3	3520	23146.0	20927
163.4	3524	23191.4	20937
163.5	3528	23246.0	20947
163.6	3532	23291.4	20957
163.7	3536	23346.0	20967
163.8	3540	23391.4	20977
163.9	3544	23446.0	20987
164.0	3548	23491.4	20997
164.1	3552	23546.0	21007
164.2	3556	23591.4	21017
164.3	3560	23646.0	21027
164.4	3564	23691.4	21037
164.5	3568	23746.0	21047
164.6	3572	23791.4	21057
164.7	3576	23846.0	21067
164.8	3580	23891.4	21077
164.9	3584	23946.0	21087
165.0	3588	23991.4	21097
165.1	3592	24046.0	21107
165.2	3596	24091.4	21117
165.3	3600	24146.0	21127
165.4	3604	24191.4	21137
165.5	3608	24246.0	21147
165.6	3612	24291.4	21157
165.7	3616	24346.0	21167
165.8	3620	24391.4	21177
165.9	3624	24446.0	21187
166.0	3628	24491.4	21197
166.1	3632	24546.0	21207
166.2	3636	24591.4	21217
166.3	3640	24646.0	21227
166.4	3644	24691.4	21237
166.5	3648	24746.0	21247
166.6	3652	24791.4	21257
166.7	3656	24846.0	21267
166.8	3660	24891.4	21277
166.9	3664	24946.0	21287
167.0	3668	24991.4	21297
167.1	3672	25046.0	21307
167.2	3676	25091.4	21317
167.3	3680	25146.0	21327
167.4	3684	25191.4	21337
167.5	3688	25246.0	21347
167.6	3692	25291.4	21357
167.7	3696	25346.0	21367
167.8	3700	25391.4	21377
167.9	3704	25446.0	21387
168.0	3708	25491.4	21397
168.1	3712	25546.0	21407
168.2	3716	25591.4	21417
168.3	3720	25646.0	21427
168.4	3724	25691.4	21437
168.5	3728	25746.0	21447
168.6	3732	25791.4	21457
168.7	3736	25846.0	21467
168.8	3740	25891.4	21477
168.9	3744	25946.0	21487
169.0	3748	25991.4	21497
169.1	3752	26046.0	21507
169.2	3756	26091.4	21517
169.3	3760	26146.0	21527
169.4	3764	26191.4	21537
169.5	3768	26246.0	21547
169.6	3772	26291.4	21557
169.7	3776	26346.0	21567
169.8	3780	26391.4	21577
169.9	3784	26446.0	21587
170.0	3788	26491.4	21597
170.1	3792	26546.0	21607
170.2	3796	26591.4	21617
170.3	3800	26646.0	21627
170.4	3804	26691.4	21637
170.5	3808	26746.0	21647
170.6	3812	26791.4	21657
170.7	3816	26846.0	21667
170.8	3820	26891.4	21677
170.9	3824	26946.0	21687
171.0	3828	26991.4	21697
171.1	3832	27046.0	21707
171.2	3836	27091.4	21717
171.3	3840	27146.0	21727
171.4	3844	27191.4	21737
171.5	3848	27246.0	21747
171.6	3852	27291.4	21757
171.7	3856	27346.0	21767
171.8	3860	27391.4	21777
171.9	3864	27446.0	21787
172.0	3868	27491.4	21797
172.1	3872	27546.0	21807
172.2	3876	27591.4	21817
172.3	3880	27646.0	21827
172.4	3884	27691.4	21837
172.5	3888	27746.0	21847
172.6	3892	27791.4	21857
172.7	3896	27846.0	21867
172.8	3900	27891.4	21877
172.9	3904	27946.0	21887
173.0	3908	27991.4	21897
173.1	3912	28046.0	21907
173.2	3916	28091.4	21917
173.3	3920	28146.0	21927
173.4	3924	28191.4	21937
173.5	3928	28246.0	21947
173.6	3932	28291.4	21957
173.7	3936	28346.0	21967
173.8	3940	28391.4	21977
173.9	3944	28446.0	21987
174.0	3948	28491.4	21997
174.1	3952	28546.0	22007
174.2	3956	28591.4	22017
174.3	396		

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INTEGRATED ONE-WAY TIME (MS)	DEPTH BELOW DEEUT	INTERVAL VELOCITY (FEET/SEC.)	AVERAGE VELOCITY (FEET/SEC.)
155.1	3102	1764	3102
155.2	3104	1769	3104
155.3	3106	1772	3106
155.4	3108	1774	3108
155.5	3110	1776	3110
155.6	3112	1778	3112
155.7	3114	1780	3114
155.8	3116	1782	3116
155.9	3118	1784	3118
156.0	3120	1786	3120
156.1	3122	1788	3122
156.2	3124	1790	3124
156.3	3126	1792	3126
156.4	3128	1794	3128
156.5	3130	1796	3130
156.6	3132	1798	3132
156.7	3134	1800	3134
156.8	3136	1802	3136
156.9	3138	1804	3138
157.0	3140	1806	3140
157.1	3142	1808	3142
157.2	3144	1810	3144
157.3	3146	1812	3146
157.4	3148	1814	3148
157.5	3150	1816	3150
157.6	3152	1818	3152
157.7	3154	1820	3154
157.8	3156	1822	3156
157.9	3158	1824	3158
158.0	3160	1826	3160
158.1	3162	1828	3162
158.2	3164	1830	3164
158.3	3166	1832	3166
158.4	3168	1834	3168
158.5	3170	1836	3170
158.6	3172	1838	3172
158.7	3174	1840	3174
158.8	3176	1842	3176
158.9	3178	1844	3178
159.0	3180	1846	3180
159.1	3182	1848	3182
159.2	3184	1850	3184
159.3	3186	1852	3186
159.4	3188	1854	3188
159.5	3190	1856	3190
159.6	3192	1858	3192
159.7	3194	1860	3194
159.8	3196	1862	3196
159.9	3198	1864	3198
160.0	3200	1866	3200

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INTEGRATED TWO-WAY TIME (MS)	DEPTH BELOW DATEUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
1601	3202	18546.1	11584
1602	3204	18566.1	11589
1603	3206	18586.1	11595
1604	3210	18606.1	11605
1605	3212	18626.1	11615
1606	3214	18645.0	11626
1607	3218	18665.0	11636
1608	3220	18685.0	11647
1609	3222	18706.0	11657
1610	3224	18726.0	11667
1611	3226	18746.0	11677
1612	3228	18766.0	11687
1613	3230	18786.0	11697
1614	3232	18807.0	11707
1615	3234	18828.0	11717
1616	3236	18847.0	11727
1617	3238	18868.0	11737
1618	3240	18889.0	11747
1619	3242	18900.0	11757
1620	3244	18921.0	11767
1621	3246	18942.0	11777
1622	3248	18963.0	11787
1623	3250	18984.0	11797
1624	3252	19005.0	11807
1625	3254	19026.0	11817
1626	3256	19047.0	11827
1627	3258	19067.0	11837
1628	3260	19087.0	11847
1629	3262	19108.0	11857
1630	3264	19129.0	11867
1631	3266	19150.0	11877
1632	3268	19171.0	11887
1633	3270	19192.0	11897
1634	3272	19213.0	11907
1635	3274	19234.0	11917
1636	3276	19255.0	11927
1637	3278	19276.0	11937
1638	3280	19297.0	11947
1639	3282	19318.0	11957
1640	3284	19339.0	11967
1641	3286	19359.0	11977
1642	3288	19379.0	11987
1643	3290	19399.0	11997
1644	3292	19419.0	12007
1645	3294	19439.0	12017
1646	3296	19459.0	12027
1647	3298	19479.0	12037
1648	3300	19499.0	12047

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INTEGRATED CNE-WAY TIME (MS)	DEPTH BELOW DATUM (FEET)	INTERVAL VELOCITY (FEET/SEC)	AVERAGE VELOCITY (FEET/SEC)
3302	19484.6	19113	11802
3304	19504.1	19423	11806
3306	19523.3	18108	11811
3312	19558.0	18187	11814
3314	19592.0	18240	11824
3316	19609.0	18277	11830
3318	19625.0	18320	11832
3320	19641.0	18367	11837
3322	19658.0	18414	11844
3324	19675.0	18459	11857
3326	19692.0	18537	11865
3328	19709.0	18615	11869
3330	19727.0	18693	11873
3332	19745.0	18760	11880
3334	19762.0	18837	11887
3336	19779.0	18915	11891
3338	19797.0	18993	11899
3340	19814.0	19071	11907
3342	19831.0	19149	11914
3344	19848.0	19227	11922
3346	19865.0	19304	11930
3348	19882.0	19381	11937
3350	19899.0	19459	11941
3352	19916.0	19537	11944
3354	19933.0	19615	11948
3356	19950.0	19693	11953
3358	19967.0	19771	11960
3360	19984.0	19849	11965
3362	20001.0	19926	11972
3364	20018.0	20004	11982
3366	20035.0	20081	11843
3368	20052.0	20149	11949
3370	20070.0	20213	11937
3372	20087.0	20247	11924
3374	20104.0	20320	11933
3376	20121.0	20397	11941
3378	20138.0	20475	11947
3380	20155.0	20553	11951