

5"

Weight: 15.00 lb/ft

Remaining:

Grade: 13%cr80

Length: 20,614m

Connection: Hydril 563

Joints: 1,703pcs

Range: R3

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
1	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
2	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
3	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
4	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
5	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
6	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
7	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
8	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
9	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
10	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
11	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
12	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
13	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
14	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
15	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
16	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
17	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
18	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
19	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
20	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
21	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
22	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
23	5"	15.00	13%cr80	Hydril 563	R3	39.90	A16/A49/A28	A
24	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
25	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
26	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
27	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
28	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
29	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
30	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
31	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
32	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
33	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
34	5"	15.00	13%cr80	Hydril 563	R3	39.90	A16/A49/A28	A
35	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
36	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
37	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
38	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
39	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
40	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
41	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
42	5"	15.00	13%cr80	Hydril 563	R3	39.89	A16/A49/A28	A
43	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
44	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
45	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
46	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
47	5"	15.00	13%cr80	Hydril 563	R3	39.90	A16/A49/A28	A
48	5"	15.00	13%					

5" Tubing 15 lbs/ft. 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH97412 - JFE Steel Corporation)

Number	Site	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
107	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
108	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
109	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
110	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
111	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
112	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
113	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
114	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
115	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
116	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
117	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
118	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
119	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
120	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
121	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
122	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
123	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
124	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
125	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
126	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
127	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
128	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
129	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
130	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
131	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
132	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
133	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
134	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
135	5"	15.00	13%crB0	Hydril 563	R3	39.90	A16/A49/A28	A
136	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
137	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
138	5"	15.00	13%crB0	Hydril 563	R3	39.90	A16/A49/A28	A
139	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
140	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
141	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
142	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
143	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
144	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
145	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
146	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
147	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
148	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
149	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
150	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
151	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
152	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
153	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
154	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
155	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
156	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
157	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
158	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
159	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
160	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
161	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
162	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
163	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
164	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
165	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
166	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
167	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
168	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
169	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
170	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
171	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
172	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
173	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
174	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
175	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
176	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
177	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
178	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
179	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
180	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
181	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
182	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
183	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
184	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
185	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
186	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
187	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
188	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
189	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
190	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
191	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
192	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
193	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
194	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
195	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
196	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
197	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
198	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
199	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
200	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
201	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
202	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
203	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
204	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
205	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
206	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
207	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
208	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
209	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
210	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
211	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
212	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
213	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
214	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
215	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
216	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
217	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
218	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
219	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
220	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
221	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
222	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
223	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
224	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
225	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
226	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
227	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
228	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
229	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
230	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
231	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
232	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
233	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
234	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
235	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
236	5"	15.00	13%crB0	Hydril 563	R3	39.90	A16/A49/A28	A
237	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
238	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
239	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
240	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
241	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
242	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
243	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
244	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
245	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
246	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
247	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
248	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
249	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
250	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
251	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
252	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
253	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
254	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
255	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
256	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
257	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
258	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
259	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
260	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
261	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
262	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
263	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
264	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
265	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
266	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
267	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
268	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
269	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
270	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
271	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
272	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
273	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
274	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
275	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
276	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
277	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
278	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
279	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
280	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
281	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
282	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
283	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
284	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
285	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
286	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
287	5"	15.00	13%crB0	Hydril 563	R3	39.87	A16/A49/A28	A
288	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
289	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
290	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
291	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
292	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
293	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
294	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
295	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
296	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
297	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
298	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
299	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
300	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
301	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
302	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
303	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
304	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
305	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
306	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
307	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
308	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
309	5"	15.00	13%crB0	Hydril 563	R3	39.89	A16/A49/A28	A
310	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
311	5"	15.00	13%crB0	Hydril 563	R3	38.30	A16/A49/A28	A
312	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
313	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
314	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
315	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
316	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
317	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
318	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
						39.83	A16/A49/A28	A

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
319	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
320	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
321	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
322	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
323	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
324	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
325	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
326	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
327	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
328	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
329	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
330	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
331	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
332	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
333	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
334	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
335	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
336	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
337	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
338	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
339	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
340	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
341	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
342	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
343	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
344	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
345	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
346	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
347	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
348	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
349	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
350	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
351	5"	15.00	13%crB0	Hydril 563	R3	39.88	A16/A49/A28	A
352	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
353	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
354	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
355	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
356	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
357	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
358	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
359	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
360	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
361	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
362	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
363	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
364	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
365	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
366	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
367	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
368	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
369	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
370	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
371	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
372	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
373	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
374	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
375	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
376	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
377	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
378	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
379	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
380	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
381	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
382	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
383	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
384	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
385	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
386	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
387	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
388	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
389	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
390	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
391	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
392	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
393	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
394	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
395	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
396	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
397	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
398	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
399	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
400	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
401	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
402	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
403	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
404	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
405	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
406	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
407	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
408	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
409	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
410	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
411	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
412	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
413	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
414	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
415	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
416	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
417	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
418	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
419	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
420	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
421	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
422	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
423	5"	15.00	13%crB0	Hydril 563	R3	39.85	A16/A49/A28	A
424	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A

5" Tubing 15 lbs/ft. 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
425	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
426	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
427	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
428	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
429	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
430	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
431	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
432	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
433	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
434	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
435	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
436	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
437	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
438	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
439	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
440	5"	15.00	13%cr80	Hydril 563	R3	39.85	A16/A49/A28	A
441	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
442	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
443	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
444	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
445	5"	15.00	13%cr80	Hydril 563	R3	39.84	A16/A49/A28	A
446	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
447	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
448	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
449	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
450	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
451	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
452	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
453	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
454	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
455	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
456	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
457	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
458	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
459	5"	15.00	13%cr80	Hydril 563	R3	39.87	A16/A49/A28	A
460	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
461	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
462	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
463	5"	15.00	13%cr80	Hydril 563	R3	38.20	A16/A49/A28	A
464	5"	15.00	13%cr80	Hydril 563	R3	38.24	A16/A49/A28	A
465	5"	15.00	13%cr80	Hydril 563	R3	38.29	A16/A49/A28	A
466	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
467	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
468	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
469	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
470	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
471	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
472	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
473	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
474	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
475	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
476	5"	15.00	13%cr80	Hydril 563	R3	38.23	A16/A49/A28	A
477	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
478	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
479	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
480	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
481	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
482	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
483	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
484	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
485	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
486	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
487	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
488	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
489	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
490	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
491	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
492	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
493	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
494	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
495	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
496	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
497	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
498	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
499	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
500	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
501	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
502	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
503	5"	15.00	13%cr80	Hydril 563	R3	39.83	A16/A49/A28	A
504	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
505	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
506	5"	15.00	13%cr80	Hydril 563	R3	39.00	A16/A49/A28	A
507	5"	15.00	13%cr80	Hydril 563	R3	39.33	A16/A49/A28	A
508	5"	15.00	13%cr80	Hydril 563	R3	39.33	A16/A49/A28	A
509	5"	15.00	13%cr80	Hydril 563	R3	38.90	A16/A49/A28	A
510	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
511	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
512	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
513	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
514	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
515	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
516	5"	15.00	13%cr80	Hydril 563	R3	39.35	A16/A49/A28	A
517	5"	15.00	13%cr80	Hydril 563	R3	39.33	A16/A49/A28	A
518	5"	15.00	13%cr80	Hydril 563	R3	39.20	A16/A49/A28	A
519	5"	15.00	13%cr80	Hydril 563	R3	39.40	A16/A49/A28	A
520	5"	15.00	13%cr80	Hydril 563	R3	39.10	A16/A49/A28	A
521	5"	15.00	13%cr80	Hydril 563	R3	39.22	A16/A49/A28	A
522	5"	15.00	13%cr80	Hydril 563	R3	39.32	A16/A49/A28	A
523	5"	15.00	13%cr80	Hydril 563	R3	38.95	A16/A49/A28	A
524	5"	15.00	13%cr80	Hydril 563	R3	39.15	A16/A49/A28	A
525	5"	15.00	13%cr80	Hydril 563	R3	38.78	A16/A49/A28	A
526	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
527	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
528	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
529	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
530	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A

5" Tubing 15 lbs/ft 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH9741Z · JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
531	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
532	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
533	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
534	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
535	5"	15.00	13%crB0	Hydril 563	R3	39.40	A16/A49/A28	A
536	5"	15.00	13%crB0	Hydril 563	R3	39.23	A16/A49/A28	A
537	5"	15.00	13%crB0	Hydril 563	R3	38.80	A16/A49/A28	A
538	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
539	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
540	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
541	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
542	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
543	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
544	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
545	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
546	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
547	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
548	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
549	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
550	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
551	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
552	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
553	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
554	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
555	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
556	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
557	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
558	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
559	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
560	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
561	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
562	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
563	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
564	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
565	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
566	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
567	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
568	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
569	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
570	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
571	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
572	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
573	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
574	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
575	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
576	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
577	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
578	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
579	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
580	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
581	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
582	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
583	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
584	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
585	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
586	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
587	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
588	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
589	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
590	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
591	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
592	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
593	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
594	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
595	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
596	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
597	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
598	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
599	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
600	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
601	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
602	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
603	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
604	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
605	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
606	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
607	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
608	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
609	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
610	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
611	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
612	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
613	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
614	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
615	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
616	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
617	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
618	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
619	5"	15.00	13%crB0	Hydril 563	R3	39.83	A16/A49/A28	A
620	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
621	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
622	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
623	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
624	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
625	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
626	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
627	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
628	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
629	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
630	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
631	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
632	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
633	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
634	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
635	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
636	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Site	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
637	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	
638	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
639	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
640	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
641	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
642	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
643	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
644	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
645	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
646	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
647	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
648	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
649	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
650	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
651	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
652	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
653	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
654	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
655	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
656	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
657	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
658	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
659	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
660	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
661	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
662	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
663	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
664	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
665	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
666	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
667	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
668	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
669	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
670	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
671	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
672	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
673	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
674	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
675	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
676	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
677	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
678	5"	15.00	13%cr80	Hydril 563	R3	38.74	A16/A49/A28	A
679	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
680	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
681	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
682	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
683	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
684	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
685	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
686	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
687	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
688	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
689	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
690	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
691	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
692	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
693	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
694	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
695	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
696	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
697	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
698	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
699	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
700	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
701	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
702	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
703	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
704	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
705	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
706	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
707	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
708	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
709	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
710	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
711	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
712	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
713	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
714	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
715	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
716	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
717	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
718	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
719	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
720	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
721	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
722	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
723	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
724	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
725	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
726	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
727	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
728	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
729	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
730	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
731	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
732	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
733	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
734	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
735	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
736	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
737	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
738	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
739	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
740	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
741	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
742	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A

5" Tubing 15 lbs/ft 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
743	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
744	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
745	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
746	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
747	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
748	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
749	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
750	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
751	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
752	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
753	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
754	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
755	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
756	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
757	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
758	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
759	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
760	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
761	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
762	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
763	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
764	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
765	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
766	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
767	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
768	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
769	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
770	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
771	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
772	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
773	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
774	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
775	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
776	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
777	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
778	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
779	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
780	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
781	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
782	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
783	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
784	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
785	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
786	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
787	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
788	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
789	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
790	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
791	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
792	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
793	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
794	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
795	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
796	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
797	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
798	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
799	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
800	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
801	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
802	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
803	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
804	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
805	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
806	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
807	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
808	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
809	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
810	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
811	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
812	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
813	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
814	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
815	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
816	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
817	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
818	5"	15.00	13%cr80	Hydril 563	R3	38.30	A16/A49/A28	A
819	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
820	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
821	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
822	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
823	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
824	5"	15.00	13%cr80	Hydril 563	R3	38.69	A16/A49/A28	A
825	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
826	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
827	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
828	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
829	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
830	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
831	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
832	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
833	5"	15.00	13%cr80	Hydril 563	R3	40.20	A16/A49/A28	A
834	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
835	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
836	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
837	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
838	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
839	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
840	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
841	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
842	5"	15.00	13%cr80	Hydril 563	R3	39.04	A16/A49/A28	A
843	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
844	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
845	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
846	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
847	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
848	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A

5" Tubing 15 lbs/ft. 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH97412 · JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
849	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
850	5"	15.00	13%cr80	Hydril 563	R3	39.62	A16/A49/A28	A
851	5"	15.00	13%cr80	Hydril 563	R3	39.62	A16/A49/A28	A
852	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
853	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
854	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
855	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
856	5"	15.00	13%cr80	Hydril 563	R3	39.61	A16/A49/A28	A
857	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
858	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
859	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
860	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
861	5"	15.00	13%cr80	Hydril 563	R3	39.61	A16/A49/A28	A
862	5"	15.00	13%cr80	Hydril 563	R3	39.61	A16/A49/A28	A
863	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
864	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
865	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
866	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
867	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
868	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
869	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
870	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
871	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
872	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
873	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
874	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
875	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
876	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
877	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
878	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
879	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
880	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
881	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
882	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
883	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
884	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
885	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
886	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
887	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
888	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
889	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
890	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
891	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
892	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
893	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
894	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
895	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
896	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
897	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
898	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
899	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
900	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
901	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
902	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
903	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
904	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
905	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
906	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
907	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
908	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
909	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
910	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
911	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
912	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
913	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
914	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
915	5"	15.00	13%cr80	Hydril 563	R3	38.18	A16/A49/A28	A
916	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
917	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
918	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
919	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
920	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
921	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
922	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
923	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
924	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
925	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
926	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
927	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
928	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
929	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
930	5"	15.00	13%cr80	Hydril 563	R3	38.94	A16/A49/A28	A
931	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
932	5"	15.00	13%cr80	Hydril 563	R3	38.86	A16/A49/A28	A
933	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
934	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
935	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
936	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
937	5"	15.00	13%cr80	Hydril 563	R3	38.26	A16/A49/A28	A
938	5"	15.00	13%cr80	Hydril 563	R3	39.00	A16/A49/A28	A
939	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
940	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
941	5"	15.00	13%cr80	Hydril 563	R3	38.94	A16/A49/A28	A
942	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
943	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
944	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
945	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
946	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
947	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
948	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
949	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
950	5"	15.00	13%cr80	Hydril 563	R3	38.31	A16/A49/A28	A
951	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
952	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
953	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
954	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A

5" Tubing 15 lbs/ft 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
955	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
956	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
957	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
958	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
959	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
960	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
961	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
962	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
963	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
964	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
965	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
966	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
967	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
968	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
969	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
970	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
971	5"	15.00	13%crB0	Hydril 563	R3	39.63	A16/A49/A28	A
972	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
973	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
974	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
975	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
976	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
977	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
978	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
979	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
980	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
981	5"	15.00	13%crB0	Hydril 563	R3	39.81	A16/A49/A28	A
982	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
983	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
984	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
985	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
986	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
987	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
988	5"	15.00	13%crB0	Hydril 563	R3	39.86	A16/A49/A28	A
989	5"	15.00	13%crB0	Hydril 563	R3	39.84	A16/A49/A28	A
990	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
991	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
992	5"	15.00	13%crB0	Hydril 563	R3	39.79	A16/A49/A28	A
993	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
994	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
995	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
996	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
997	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
998	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
999	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1000	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1001	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1002	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
1003	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1004	5"	15.00	13%crB0	Hydril 563	R3	39.63	A16/A49/A28	A
1005	5"	15.00	13%crB0	Hydril 563	R3	39.62	A16/A49/A28	A
1006	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1007	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1008	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1009	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
1010	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1011	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1012	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
1013	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
1014	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1015	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
1016	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1017	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1018	5"	15.00	13%crB0	Hydril 563	R3	39.63	A16/A49/A28	A
1019	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1020	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1021	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1022	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
1023	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
1024	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
1025	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1026	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
1027	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1028	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1029	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1030	5"	15.00	13%crB0	Hydril 563	R3	39.71	A16/A49/A28	A
1031	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1032	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1033	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1034	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
1035	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1036	5"	15.00	13%crB0	Hydril 563	R3	39.63	A16/A49/A28	A
1037	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
1038	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1039	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1040	5"	15.00	13%crB0	Hydril 563	R3	39.69	A16/A49/A28	A
1041	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1042	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
1043	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A
1044	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1045	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1046	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1047	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1048	5"	15.00	13%crB0	Hydril 563	R3	39.75	A16/A49/A28	A
1049	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1050	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1051	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1052	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1053	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1054	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
1055	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A
1056	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1057	5"	15.00	13%crB0	Hydril 563	R3	39.73	A16/A49/A28	A
1058	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1059	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
1060	5"	15.00	13%crB0	Hydril 563	R3	39.77	A16/A49/A28	A

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
1061	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1062	5"	15.00	13%cr80	Hydril 563	R3	38.28	A16/A49/A28	A
1063	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
1064	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1065	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
1066	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1067	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1068	5"	15.00	13%cr80	Hydril 563	R3	38.25	A16/A49/A28	A
1069	5"	15.00	13%cr80	Hydril 563	R3	38.11	A16/A49/A28	A
1070	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1071	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1072	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1073	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
1074	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1075	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1076	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1077	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1078	5"	15.00	13%cr80	Hydril 563	R3	39.56	A16/A49/A28	A
1079	5"	15.00	13%cr80	Hydril 563	R3	38.31	A16/A49/A28	A
1080	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1081	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1082	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1083	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1084	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1085	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1086	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
1087	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1088	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1089	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1090	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1091	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1092	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1093	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1094	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1095	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1096	5"	15.00	13%cr80	Hydril 563	R3	38.34	A16/A49/A28	A
1097	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1098	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1099	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1100	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1101	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1102	5"	15.00	13%cr80	Hydril 563	R3	39.88	A16/A49/A28	A
1103	5"	15.00	13%cr80	Hydril 563	R3	40.01	A16/A49/A28	A
1104	5"	15.00	13%cr80	Hydril 563	R3	39.61	A16/A49/A28	A
1105	5"	15.00	13%cr80	Hydril 563	R3	39.60	A16/A49/A28	A
1106	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1107	5"	15.00	13%cr80	Hydril 563	R3	39.91	A16/A49/A28	A
1108	5"	15.00	13%cr80	Hydril 563	R3	39.81	A16/A49/A28	A
1109	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1110	5"	15.00	13%cr80	Hydril 563	R3	39.86	A16/A49/A28	A
1111	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1112	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1113	5"	15.00	13%cr80	Hydril 563	R3	39.63	A16/A49/A28	A
1114	5"	15.00	13%cr80	Hydril 563	R3	39.62	A16/A49/A28	A
1115	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
1116	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1117	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1118	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1119	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1120	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1121	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1122	5"	15.00	13%cr80	Hydril 563	R3	39.62	A16/A49/A28	A
1123	5"	15.00	13%cr80	Hydril 563	R3	39.61	A16/A49/A28	A
1124	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1125	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1126	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1127	5"	15.00	13%cr80	Hydril 563	R3	38.95	A16/A49/A28	A
1128	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1129	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1130	5"	15.00	13%cr80	Hydril 563	R3	38.20	A16/A49/A28	A
1131	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1132	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1133	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1134	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1135	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1136	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
1137	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1138	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1139	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1140	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1141	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1142	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1143	5"	15.00	13%cr80	Hydril 563	R3	39.30	A16/A49/A28	A
1144	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1145	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1146	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1147	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1148	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1149	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1150	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1151	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1152	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1153	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1154	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1155	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1156	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1157	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1158	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1159	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1160	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1161	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1162	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1163	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1164	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1165	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1166	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
1167	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1168	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1169	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
1170	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1171	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1172	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1173	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1174	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1175	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1176	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1177	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1178	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1179	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1180	5"	15.00	13%cr80	Hydril 563	R3	39.55	A16/A49/A28	A
1181	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1182	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1183	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1184	5"	15.00	13%cr80	Hydril 563	R3	38.90	A16/A49/A28	A
1185	5"	15.00	13%cr80	Hydril 563	R3	38.92	A16/A49/A28	A
1186	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1187	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1188	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1189	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1190	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1191	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1192	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1193	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
1194	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1195	5"	15.00	13%cr80	Hydril 563	R3	38.95	A16/A49/A28	A
1196	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1197	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1198	5"	15.00	13%cr80	Hydril 563	R3	39.26	A16/A49/A28	A
1199	5"	15.00	13%cr80	Hydril 563	R3	37.07	A16/A49/A28	A
1200	5"	15.00	13%cr80	Hydril 563	R3	37.88	A16/A49/A28	A
1201	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1202	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
1203	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1204	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
1205	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1206	5"	15.00	13%cr80	Hydril 563	R3	39.69	A16/A49/A28	A
1207	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1208	5"	15.00	13%cr80	Hydril 563	R3	38.48	A16/A49/A28	A
1209	5"	15.00	13%cr80	Hydril 563	R3	39.17	A16/A49/A28	A
1210	5"	15.00	13%cr80	Hydril 563	R3	39.22	A16/A49/A28	A
1211	5"	15.00	13%cr80	Hydril 563	R3	37.77	A16/A49/A28	A
1212	5"	15.00	13%cr80	Hydril 563	R3	39.30	A16/A49/A28	A
1213	5"	15.00	13%cr80	Hydril 563	R3	39.28	A16/A49/A28	A
1214	5"	15.00	13%cr80	Hydril 563	R3	39.24	A16/A49/A28	A
1215	5"	15.00	13%cr80	Hydril 563	R3	39.22	A16/A49/A28	A
1216	5"	15.00	13%cr80	Hydril 563	R3	39.23	A16/A49/A28	A
1217	5"	15.00	13%cr80	Hydril 563	R3	39.17	A16/A49/A28	A
1218	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1219	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1220	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1221	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1222	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1223	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1224	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1225	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1226	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1227	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1228	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1229	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1230	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1231	5"	15.00	13%cr80	Hydril 563	R3	39.67	A16/A49/A28	A
1232	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1233	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1234	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1235	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1236	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1237	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1238	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1239	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1240	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1241	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1242	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1243	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1244	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1245	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1246	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1247	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1248	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1249	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1250	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1251	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1252	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1253	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1254	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1255	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1256	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1257	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1258	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1259	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1260	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1261	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1262	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1263	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1264	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1265	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1266	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1267	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1268	5"	15.00	13%cr80	Hydril 563	R3	38.85	A16/A49/A28	A
1269	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1270	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1271	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1272	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A

5" Tubing 15 lbs/ft 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
1273	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1274	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1275	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1276	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1277	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1278	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1279	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1280	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1281	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1282	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1283	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1284	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1285	5"	15.00	13%cr80	Hydril 563	R3	38.36	A16/A49/A28	A
1286	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1287	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1288	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1289	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
1290	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1291	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1292	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1293	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
1294	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1296	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1297	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1298	5"	15.00	13%cr80	Hydril 563	R3	39.34	A16/A49/A28	A
1299	5"	15.00	13%cr80	Hydril 563	R3	37.93	A16/A49/A28	A
1300	5"	15.00	13%cr80	Hydril 563	R3	39.24	A16/A49/A28	A
1301	5"	15.00	13%cr80	Hydril 563	R3	39.31	A16/A49/A28	A
1302	5"	15.00	13%cr80	Hydril 563	R3	39.35	A16/A49/A28	A
1303	5"	15.00	13%cr80	Hydril 563	R3	39.30	A16/A49/A28	A
1304	5"	15.00	13%cr80	Hydril 563	R3	39.34	A16/A49/A28	A
1305	5"	15.00	13%cr80	Hydril 563	R3	39.36	A16/A49/A28	A
1306	5"	15.00	13%cr80	Hydril 563	R3	39.31	A16/A49/A28	A
1307	5"	15.00	13%cr80	Hydril 563	R3	39.29	A16/A49/A28	A
1308	5"	15.00	13%cr80	Hydril 563	R3	39.13	A16/A49/A28	A
1309	5"	15.00	13%cr80	Hydril 563	R3	39.05	A16/A49/A28	A
1310	5"	15.00	13%cr80	Hydril 563	R3	39.07	A16/A49/A28	A
1311	5"	15.00	13%cr80	Hydril 563	R3	38.99	A16/A49/A28	A
1312	5"	15.00	13%cr80	Hydril 563	R3	39.08	A16/A49/A28	A
1313	5"	15.00	13%cr80	Hydril 563	R3	39.12	A16/A49/A28	A
1314	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1315	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1316	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1317	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1318	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1319	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1320	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1321	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1322	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1323	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1324	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1325	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1326	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1327	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1328	5"	15.00	13%cr80	Hydril 563	R3	39.79	A16/A49/A28	A
1329	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1330	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1331	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1332	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1333	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1334	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1335	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1336	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1337	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1338	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1339	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1340	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1341	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1342	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1343	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1344	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1345	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1346	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1347	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1348	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1349	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1350	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1351	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1352	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1353	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1354	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1355	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1356	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1357	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1358	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1359	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1360	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1361	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1362	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1363	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
1364	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1365	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1366	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1367	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1368	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1369	5"	15.00	13%cr80	Hydril 563	R3	39.65	A16/A49/A28	A
1370	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1371	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1372	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1373	5"	15.00	13%cr80	Hydril 563	R3	39.48	A16/A49/A28	A
1374	5"	15.00	13%cr80	Hydril 563	R3	39.45	A16/A49/A28	A
1375	5"	15.00	13%cr80	Hydril 563	R3	39.55	A16/A49/A28	A
1376	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1377	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1378	5"	15.00	13%cr80	Hydril 563	R3	39.77	A16/A49/A28	A
						39.78	A16/A49/A28	A

5" Tubing 15 lbs/ft 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH97412 - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
1379	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1380	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1381	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1382	5"	15.00	13%cr80	Hydral 563	R3	39.60	A16/A49/A28	A
1383	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1384	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1385	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1386	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1387	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1388	5"	15.00	13%cr80	Hydral 563	R3	39.60	A16/A49/A28	A
1389	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1390	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1391	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1392	5"	15.00	13%cr80	Hydral 563	R3	39.64	A16/A49/A28	A
1393	5"	15.00	13%cr80	Hydral 563	R3	39.63	A16/A49/A28	A
1394	5"	15.00	13%cr80	Hydral 563	R3	38.99	A16/A49/A28	A
1395	5"	15.00	13%cr80	Hydral 563	R3	38.90	A16/A49/A28	A
1396	5"	15.00	13%cr80	Hydral 563	R3	39.81	A16/A49/A28	A
1397	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1398	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1399	5"	15.00	13%cr80	Hydral 563	R3	39.75	A16/A49/A28	A
1400	5"	15.00	13%cr80	Hydral 563	R3	39.76	A16/A49/A28	A
1401	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1402	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1403	5"	15.00	13%cr80	Hydral 563	R3	39.78	A16/A49/A28	A
1404	5"	15.00	13%cr80	Hydral 563	R3	39.78	A16/A49/A28	A
1405	5"	15.00	13%cr80	Hydral 563	R3	39.75	A16/A49/A28	A
1406	5"	15.00	13%cr80	Hydral 563	R3	39.69	A16/A49/A28	A
1407	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1408	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1409	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1410	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1411	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1412	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1413	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1414	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1415	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1416	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1417	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1418	5"	15.00	13%cr80	Hydral 563	R3	39.78	A16/A49/A28	A
1419	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1420	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1421	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1422	5"	15.00	13%cr80	Hydral 563	R3	39.62	A16/A49/A28	A
1423	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1424	5"	15.00	13%cr80	Hydral 563	R3	39.62	A16/A49/A28	A
1425	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1426	5"	15.00	13%cr80	Hydral 563	R3	39.74	A16/A49/A28	A
1427	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1428	5"	15.00	13%cr80	Hydral 563	R3	39.79	A16/A49/A28	A
1429	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1430	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1431	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1432	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1433	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1434	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1435	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1436	5"	15.00	13%cr80	Hydral 563	R3	39.76	A16/A49/A28	A
1437	5"	15.00	13%cr80	Hydral 563	R3	39.73	A16/A49/A28	A
1438	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1439	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1440	5"	15.00	13%cr80	Hydral 563	R3	39.66	A16/A49/A28	A
1441	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1442	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1443	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1444	5"	15.00	13%cr80	Hydral 563	R3	39.66	A16/A49/A28	A
1445	5"	15.00	13%cr80	Hydral 563	R3	39.64	A16/A49/A28	A
1446	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1447	5"	15.00	13%cr80	Hydral 563	R3	39.77	A16/A49/A28	A
1448	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1449	5"	15.00	13%cr80	Hydral 563	R3	39.60	A16/A49/A28	A
1450	5"	15.00	13%cr80	Hydral 563	R3	39.62	A16/A49/A28	A
1451	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1452	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1453	5"	15.00	13%cr80	Hydral 563	R3	39.74	A16/A49/A28	A
1454	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1455	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1456	5"	15.00	13%cr80	Hydral 563	R3	39.60	A16/A49/A28	A
1457	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1458	5"	15.00	13%cr80	Hydral 563	R3	39.84	A16/A49/A28	A
1459	5"	15.00	13%cr80	Hydral 563	R3	39.84	A16/A49/A28	A
1460	5"	15.00	13%cr80	Hydral 563	R3	39.82	A16/A49/A28	A
1461	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1462	5"	15.00	13%cr80	Hydral 563	R3	39.78	A16/A49/A28	A
1463	5"	15.00	13%cr80	Hydral 563	R3	39.78	A16/A49/A28	A
1464	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1465	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1466	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1467	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1468	5"	15.00	13%cr80	Hydral 563	R3	39.64	A16/A49/A28	A
1469	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1470	5"	15.00	13%cr80	Hydral 563	R3	39.66	A16/A49/A28	A
1471	5"	15.00	13%cr80	Hydral 563	R3	39.66	A16/A49/A28	A
1472	5"	15.00	13%cr80	Hydral 563	R3	39.66	A16/A49/A28	A
1473	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1474	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1475	5"	15.00	13%cr80	Hydral 563	R3	39.80	A16/A49/A28	A
1476	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1477	5"	15.00	13%cr80	Hydral 563	R3	39.72	A16/A49/A28	A
1478	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1479	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1480	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1481	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1482	5"	15.00	13%cr80	Hydral 563	R3	39.68	A16/A49/A28	A
1483	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A
1484	5"	15.00	13%cr80	Hydral 563	R3	39.70	A16/A49/A28	A

5" Tubing 15 lbs/ft. 13 Cr. Range 3

1703 joints

(Inspection Certificate YGH9741Z · JFE Steel Corporation)

Number	Site	Weight LB/FT	Grade	Connection	Range	Length ft	Location	Condition
1485	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1486	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1487	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1488	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
1489	5"	15.00	13%cr80	Hydril 563	R3	39.84	A16/A49/A28	A
1490	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1491	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1492	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1493	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1494	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1495	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1496	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1497	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1498	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1499	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1500	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1501	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1502	5"	15.00	13%cr80	Hydril 563	R3	39.60	A16/A49/A28	A
1503	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1504	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1505	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1506	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1507	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1508	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1509	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1510	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
1511	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1512	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1513	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1514	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1515	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1516	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1517	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1518	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1519	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1520	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1521	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1522	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1523	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1524	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1525	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1526	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1527	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1528	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1529	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1530	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1531	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1532	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1533	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1534	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1535	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1536	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1537	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1538	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1539	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1540	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1541	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1542	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1543	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
1544	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1545	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
1546	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1547	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1548	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1549	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1550	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1551	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1552	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1553	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1554	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1555	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1556	5"	15.00	13%cr80	Hydril 563	R3	39.60	A16/A49/A28	A
1557	5"	15.00	13%cr80	Hydril 563	R3	39.66	A16/A49/A28	A
1558	5"	15.00	13%cr80	Hydril 563	R3	39.64	A16/A49/A28	A
1559	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1560	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1561	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1562	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1563	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1564	5"	15.00	13%cr80	Hydril 563	R3	39.71	A16/A49/A28	A
1565	5"	15.00	13%cr80	Hydril 563	R3	39.75	A16/A49/A28	A
1566	5"	15.00	13%cr80	Hydril 563	R3	39.73	A16/A49/A28	A
1567	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1568	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1569	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1570	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1571	5"	15.00	13%cr80	Hydril 563	R3	39.82	A16/A49/A28	A
1572	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1573	5"	15.00	13%cr80	Hydril 563	R3	39.84	A16/A49/A28	A
1574	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1575	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1576	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1577	5"	15.00	13%cr80	Hydril 563	R3	39.74	A16/A49/A28	A
1578	5"	15.00	13%cr80	Hydril 563	R3	39.68	A16/A49/A28	A
1579	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1580	5"	15.00	13%cr80	Hydril 563	R3	39.72	A16/A49/A28	A
1581	5"	15.00	13%cr80	Hydril 563	R3	39.60	A16/A49/A28	A
1582	5"	15.00	13%cr80	Hydril 563	R3	39.62	A16/A49/A28	A
1583	5"	15.00	13%cr80	Hydril 563	R3	39.60	A16/A49/A28	A
1584	5"	15.00	13%cr80	Hydril 563	R3	39.76	A16/A49/A28	A
1585	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1586	5"	15.00	13%cr80	Hydril 563	R3	39.78	A16/A49/A28	A
1587	5"	15.00	13%cr80	Hydril 563	R3	39.80	A16/A49/A28	A
1588	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1589	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A
1590	5"	15.00	13%cr80	Hydril 563	R3	39.70	A16/A49/A28	A

1703 Joints
(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length Ft.	Location	Condition
1591	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1592	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1593	5"	15.00	13%crB0	Hydril 563	R3	39.62	A16/A49/A28	A
1594	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1595	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1596	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1597	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1598	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1599	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
1600	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1601	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1602	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1603	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
1604	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1605	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1606	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1607	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
1608	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1609	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1610	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1611	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1612	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1613	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1614	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1615	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
1616	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
1617	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1618	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1619	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1620	5"	15.00	13%crB0	Hydril 563	R3	39.76	A16/A49/A28	A
1621	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1622	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1623	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
1624	5"	15.00	13%crB0	Hydril 563	R3	39.82	A16/A49/A28	A
1625	5"	15.00	13%crB0	Hydril 563	R3	39.80	A16/A49/A28	A
1626	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1627	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1628	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1629	5"	15.00	13%crB0	Hydril 563	R3	39.60	A16/A49/A28	A
1630	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1631	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1632	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1633	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1634	5"	15.00	13%crB0	Hydril 563	R3	39.74	A16/A49/A28	A
1635	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1636	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1637	5"	15.00	13%crB0	Hydril 563	R3	39.62	A16/A49/A28	A
1638	5"	15.00	13%crB0	Hydril 563	R3	39.60	A16/A49/A28	A
1639	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1640	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1641	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1642	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1643	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1644	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1645	5"	15.00	13%crB0	Hydril 563	R3	39.62	A16/A49/A28	A
1646	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A
1647	5"	15.00	13%crB0	Hydril 563	R3	39.60	A16/A49/A28	A
1648	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1649	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1650	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1651	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1652	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1653	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1654	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1655	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1656	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1657	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1658	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1659	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1660	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1661	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1662	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1663	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1664	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1665	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1666	5"	15.00	13%crB0	Hydril 563	R3	39.78	A16/A49/A28	A
1667	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1668	5"	15.00	13%crB0	Hydril 563	R3	39.72	A16/A49/A28	A
1669	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1670	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1671	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1672	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1673	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1674	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1675	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A
1676	5"	15.00	13%crB0	Hydril 563	R3	39.40	A16/A49/A28	A
1677	5"	15.00	13%crB0	Hydril 563	R3	39.00	A16/A49/A28	A
1678	5"	15.00	13%crB0	Hydril 563	R3	39.99	A16/A49/A28	A
1679	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A
1680	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1681	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A
1682	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1683	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1684	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1685	5"	15.00	13%crB0	Hydril 563	R3	39.63	A16/A49/A28	A
1686	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A
1687	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1688	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1689	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1690	5"	15.00	13%crB0	Hydril 563	R3	39.70	A16/A49/A28	A
1691	5"	15.00	13%crB0	Hydril 563	R3	39.68	A16/A49/A28	A
1692	5"	15.00	13%crB0	Hydril 563	R3	39.66	A16/A49/A28	A
1693	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1694	5"	15.00	13%crB0	Hydril 563	R3	39.67	A16/A49/A28	A
1695	5"	15.00	13%crB0	Hydril 563	R3	39.64	A16/A49/A28	A
1696	5"	15.00	13%crB0	Hydril 563	R3	39.65	A16/A49/A28	A

5" Tubing 15 lbs/ft. 13 Cr. Range 3

1703 Joints

(Inspection Certificate YGH9741Z - JFE Steel Corporation)

Number	Size	Weight LB/FT	Grade	Connection	Range	Length ft.	Location	Condition
1697	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1698	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1699	5"	15.00	13%cr80	Hydral 563	R3	39.58	A16/A49/A28	A
1700	5"	15.00	13%cr80	Hydral 563	R3	39.63	A16/A49/A28	A
1701	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1702	5"	15.00	13%cr80	Hydral 563	R3	39.65	A16/A49/A28	A
1703	5"	15.00	13%cr80	Hydral 563	R3	39.62	A16/A49/A28	A

From these used:

Comments:

Length: -

Joints: -

5"

Weight: 15.00 lb/ft

Remaining:

Grade: 13%cr80

Length: 20,614m

Connection: Hydril 563

Joints: 1,703pcs

Range: R3

J12 YG097412

Certificate No. (Invoice No.): NA0702Y198

Order No.: 6695-A6Y29-01

Shipper: MARUBENI-ITOCHU STEEL INC.

Customer:

Customer's Control No.:

Commodity: SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name:

Specification: API5CT L80-13CR-TUB**ID (BPE-SQR)

Size: 5" X 14.88 LBS X R3

Quantity: 807 Mass: 215,999 Kg Total Length: 31,952.5 F

Ship No.:

Construction No.:

Reference No.:

Effective Year:

INSPECTION CERTIFICATE



JFE

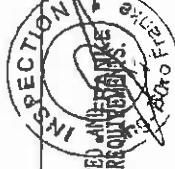
JC-04 1 / 13
JFE Steel Corporation
 CHITA WORKS
 1-1, Kawasaki-cho 1-chome, Handa-City, Aichi Pref. 475-8611
 Japan
 Date: FEBRUARY 14, 2007

MFG. No.	Heat No.	Chemical Composition (%)														II: Heat Analysis P: Product Analysis										Bend Test									
		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq	Hydrostatic Test	7600PSI (5SEC.)	GOOD	Flattening Test	Flaring Test	Drift Test	ASTM 1"	Full Sec.										
		X1000	X100	X100	X1000	X1000	X1000	X100	X100	X1000	X1000	X1000	X1000	X1000	X1000	X100	X1000										X100								
73572-01 (52)	2-69196	max	220	100	100	20	1025	50	1400																										
		min	150		25				1200																										
		max	220	100	100	20	1025	50	1400																										
		min	150		25				1200																										
73572-01 (52)	2-69196	H	200	32	38	13	1	1	121277																										
		P	200	33	38	13	1	1	121280																										
		P	200	31	38	12	1	1	121280																										
73572-01 (52)	2-69196	Tensile Test														Impact Test				Grain Size		Remarks]													
		Parent (A370)		Weld ()														Direction L () GL (2"		Spec. ASTM		SPECIFICATION:													
		Direction (L)		T.S.		EL.		Y.R.		I.S.		Weld		I.V. or A.E.		Shear Area (%)				API5CT 8TH EDITION, JULY 2005															
		Y.P. or Y.S.		T.S.		EL.		Y.R.		I.S.		Weld		I.V. or A.E.		Shear Area (%)				HEAT TREATMENT : AUSTENITIZING.															
73572-01 (52)	2-69196	KSI														2V 10X5.0 min.				(TEST METHOD)		MIN. TEMPERING TEMPERATURE 700°C													
		max. 925		min. 800		950		165		254		1091		266		1110		266		EACH AVE.		AVERAGE		NDE : ULTRASONIC OD & UD, L & T N5											
		844		1091		254		1091		266		1110		266		1110		266		100		100		JFE-SML-99-52 REV.6											
		844		1091		254		1091		266		1110		266		1110		266		100		100		JFE-SML-99-132 REV.5											
73572-01 (52)	2-69196	866														866				866		866		866		PROCESS : BASIC OXYGEN CONVERTER									
		866														866				866		866		866		HEAT TREATMENT : GOOD									
		866														866				866		866		866		HARDNESS TEST : REFER TO ATTACHMENT									
		866														866				866		866		866											

IN-SPEC KOBELTD.

T. Mori

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S), AND THAT THEY SATISFY THE REQUIREMENTS.



御田 宏一

NC6

Manager, Quality Assurance Sec.

J12 YCN9741Z
Certificate No. (Invoice No.): NA0702Y198

Order No. : 6695-A6Y29-01

Shipper : MARUBENI-ITOCHU STEEL INC.

Customer:

Customer's Control No.:

Commodity : SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name:

Specification: API5CT L80-13CR-TUB**ID (BPE-SQR)

Size : 5" X 14.88 LBS X R3

Quantity : 807 Mass : 215,999 Kg Total Length : 31,952.5 F

Ship No. : Construction No.:

MFG. No. Heat No.		Chemical Composition (%)														Heat Analysis P: Product Analysis										Hend Test																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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IN-SPEC KOBE LTD.

T. Mori

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S), AND THAT THEY SATISFY THE REQUIREMENTS.

Manager, Quality Assurance Sec.



INSPECTION CERTIFICATE

JFE Steel Corporation

CHITA WORKS

1 Kawasaki-cho I-chome, Harda-City, Aichi Pref. 475-8611

JFE

Date : FEBRUARY 14, 2007

Reference No.:

Effective Year:

1 Kawasaki-cho 1-chome, Handa-City, Aichi Pref. 475-8611
Japan
Date : FEBRUARY 14 2007

Customer:

Reference No. :

Customer's Control No. 3

Commodity : SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name: _____ Effective Year: _____

Specification: API 5CT L80-13CR-TUB**ID (BPE-SQR)

Size 5" X 14.881,85 X R3

Quantity : 807 Mass : 215.999 Kg Total Length : 31.952.5 F Ship No. : _____ Construction No. : _____

MFG. No.	Heat No.	Chemical Composition (%)														Mechanical Properties										Remarks	
		II: Heat Analysis P: Product Analysis														Tensile Test											
		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq	Hydrostatic Test	7600PSI (5SEC.)	Bend Test							
73572-03 (66)	2-69195	X1000														X1000										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121284														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
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		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
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73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
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		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
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		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-69195	X100														X100										GOOD	Flattening Test
		max. 220 100 100 20 1025 50 1400														max. 220 100 100 20 1025 50 1400											
		min. 150 25 1200														min. 150 25 1200											
		P 200 24 39 15 1 1 121280														P 200 24 39 15 1 1 121280											
73572-03 (66)	2-6919																										

IN-SPEC KOBELTD.

T. Mori

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S), AND THAT THEY SATISFY THE REQUIREMENTS OF THE SPECIFICATION(S).

Manager, Quality Assurance Sec.

JC-04 4/ 13

4/13

JFE Steel Corporation

CHITA WORKS
1 Kawasaki-cho 1-chome, Handa-City, Aichi Pref. 475-8611
Japan
Date : FEBRUARY 14 2007

FEBRUARY 14, 2007

INSPECTION CERTIFICATE

Certificate No. (Invoice No): NA0702Y198

Order No. : 6695-A6Y29-01

Shipper MARUBENI-ITOCHU STEEL, INC.

Customer

Reference No.:

Customer's Control No. 1 _____ Customer's Control No. 3 : _____

Commodity :SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name: _____ Effective Year: _____

Project Name: _____
Specification: API 5CT L80-13CR-TUB**YU (BPE-SQR)

Size : 5" X 14.88 LBS X R3

Quantity	: <u>807</u>	Mass	: <u>215.999 Kg</u>	Total Length	: <u>31.9525 F</u>
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Ship No.: _____ Construction No.: _____

Total Length : 31,952.5 F

[illegible]

IN-SPEC KOBE LTD.

T. Mori;

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S), AND THAT THEY SATISFY THE REQUIREMENTS OF Manager, Quality Assurance Sec.

Manager, Quality Assurance Sec.

Manager, Quality Assurance Sec.

J12 YGH9741Z

Certificate No. (Invoice No.): NA0702Y198

Order No. : 6695-A6Y29-01

Shipper : MARUBENI-ITOCHU STEEL INC.

Customer :

Customer's Control No. 1 :

Customer's Control No. 3 :

Commodity : SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name :

Effective Year :

Specification: API5CT L80-13CR-TUB**ID (BPE-SQR)

Size : 5" X 14.88 LBS X R3

Quantity : 807 Mass : 215,999 Kg Total Length : 31,952.5 F

Ship No. : Construction No. :

INSPECTION CERTIFICATE

JC-04 5/13
JFE Steel Corporation

CHITA WORKS

1, Kawasaki-cho 1-chome, Handa-City, Aichi Pref. 475-8611
Japan

Date : FEBRUARY 14, 2007

JFE

Reference No. :

MFG. No.		Heat No.		Chemical Composition (%)														Heat Analysis P: Product Analysis														7600PSI (5SEC.)	Bend Test
				C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq	Hydrostatic Test	Visual Dimension	Strap	ASTM 1"	Round	Full Sec.								
				X1000														X1000														GOOD	Flattening Test
				X100														X100															
				X1000														X1000														GOOD	Drift Test
				X1000														X1000															
				X1000														X1000														GOOD	ASTM 1"
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IN-SPEC KOBE LTD.

T. Mori

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Manager, Quality Assurance Sec.



JFE

Ship No. Construction No.:

Remarks] SPECIFICATION:

SPECIFICATION:
API5CT 8TH EDITION, JULY 2005
HEAT TREATMENT : AUSTENITIZING,
AIR COOLING & TEMPERING
MIN. TEMPERING TEMPERATURE 700°C
NDE : ULTRASONIC OD & UD, L & T N5
JFE-SML-99- 52 REV.6
JFE-SML-99-132 REV.5
PROCESS : BASIC OXYGEN CONVERTER
HEAT TREATMENT : GOOD
HARDNESS : REFER TO ATTACHMENT

HAARDNESS FIRST : REFER TO ATTACHMENT 1

J12 VGH9741Z

Certificate No. (Invoice No.): NAO702Y198

Order No.: 6695-A6Y29-01

Shipper: MARUBENI-ITOCHU STEEL INC.

Customer:

Customer's Control No. 3

Commodity: SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name:

Effective Year:

Specification: API5CT L80-13CR-TUB**ID (BPE-SQR)

Size: 5" X 14.88LBS X R3

Quantity: 807 Mass: 215,999 Kg Total Length: 31,952.5 F

Ship No.: Construction No.:

JC-04 7/13
JFE Steel Corporation
 CHITA WORKS
 1, Kawasaki-cho 1-chome, Hamada-City, Aichi Pref. 475-8611
 Japan
 Date: FEBRUARY 14, 2007



INSPECTION CERTIFICATE

MFG. No.	Heat No.	Chemical Composition (%)															Heat Analysis P: Product Analysis							Hydrostatic Test	7600PSI (5SEC.) GOOD	Bend Test																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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		Parent (A370) Weld ()															Direction L (0° C)		Spec. ASTM		SPECIFICATION: API5CT 8TH EDITION, JULY 2005 HREAT TREATMENT : AUSTENITIZING, AIR COOLING & TEMPERING MIN. TEMPERING TEMPERATURE 700° C NDE : ULTRASONIC OD & UD, L & T N5 JFE-SML-99- 52 REV.6 JFE-SML-99-132 REV.5 PROCESS : BASIC OXYGEN CONVERTER HEAT TREATMENT : GOOD HARDNESS TEST : REFER TO ATTACHMENT 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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IN-SPEC KOBE LTD.

T. Mori

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S), AND THAT THEY SATISFY THE REQUIREMENTS.

御田 宏一 NC6
 Manager, Quality Assurance Sec.

J12 YG1197412

Certificate No. (Invoice No.): NA0702Y198

Order No. : 6095-A6Y29-01

Shipper : MARUBENI-ITOCHU STEEL INC.

Customer :

Customer's Control No. :

Customer's Control No. 3 :

Commodity : SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name :

Effective Year :

Specification: API5CT L80-13CR-TUB*ID (BPE-SQR)

Size : 5" X 14.88LBS X R3

Quantity : 807 Mass : 215,999 Kg Total Length : 31,952.5 F

Ship No. : Construction No. :

JC-04 8/13
JFE Steel Corporation

CHITA WORKS

1 Kawasaki-cho 1-chome, Handa-City, Aichi Pref 475-8611

JFE

Date : FEBRUARY 14, 2007

Reference No. :

INSPECTION CERTIFICATE

MFG. No.	Heat No.	Chemical Composition (%)												Heat Analysis P: Product Analysis												7600PSI (5SEC.) GOOD	Bend Test					
		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq	Hydrostatic Test	Flattening Test	Flaring Test	Drift Test	ASTM I"	Full Sec.									
73572-03 (81)	2-69195	X1000												X1000												N.D.E.	GOOD	GOOD	GOOD	GOOD		
		220 100 100 20 1025 50 1400												220 100 100 20 1025 50 1400																		
		150 25 1200												150 25 1200																		
		220 100 100 20 1025 50 1400												220 100 100 20 1025 50 1400																		
73572-03 (81)	2-69195	X100												X100												Visual Inspection	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
		200 24 39 15 1 1 121284												200 24 39 15 1 1 121284																		
		200 24 39 15 1 1 121280												200 24 39 15 1 1 121280																		
		200 24 39 15 1 1 121280												200 24 39 15 1 1 121280																		
Tensile Test		Impact Test		Grain Size		Remarks		SPECIFICATION:		API5CT 8TH EDITION, JULY 2005		HEAT TREATMENT: AUSTENITIZING,		AIR COOLING & TEMPERING		MIN. TEMPERING TEMPERATURE 700°C		JFE-SML-99-52 REV. 6		JFE-SML-99-132 REV. 5		PROCESS: BASIC OXYGEN CONVERTER		HEAT TREATMENT: GOOD		HARDNESS TEST: REFER TO ATTACHMENT 1						
Parent (A370) Weld ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()		Direction L ()						
Y.P. or Y.S.		T.S.		EL.		Y.R.		T.S.		Weld		I.V. or A.E.		Shear Area (%)		Spec. ASTM		Spec. ASTM		Spec. ASTM		Spec. ASTM		Spec. ASTM		Spec. ASTM						
KSI		%		%		%		%		%		%		%		%		%		%		%		%		%						
max. 92.5		min. 80.0		95.0		16.5		22.0		22.0		22.0		22.0		22.0		22.0		22.0		22.0		22.0		22.0						
821		107.5		287		101.4		1003		100		100		100		100		100		100		100		100		100						
84.0		109.4		268		101.4		1003		100		100		100		100		100		100		100		100		100						

IN-SPEC KOBE LTD.

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Manager, Quality Assurance Sec.

御田 宏一

NC6

J12 YGH9741Z

Certificate No. (Invoice No.): NA0702Y198

Order No.: 6695-A6Y29-01

Shipper: MARUBENI-ITOCHU STEEL INC.

Customer:

Customer's Control No. 3:

Commodity: SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name:

Effective Year:

Specification: API5CT L80-13CR-TUB**ID (BPE-SQR)

Size: 5" X 14.88LBS X R3

Quantity: 807 Mass: 215,999 Kg Total Length: 31,952.5 F

Ship No.: Construction No.:

INSPECTION CERTIFICATE



JFE

JC-04 9/13
JFE Steel Corporation

CHITA WORKS

1, Kawasaki-cho Ichikawa, Handa-City, Aichi Pref 475-8611

Date: FEBRUARY 14, 2007

Reference No.:

MFG. No.	Heat No.	Chemical Composition (%)													Hi-Heat Analysis P: Product Analysis				Hydrostatic Test	7600PSI (5SEC.)	Bend Test
		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq				
73572-06 (80)	2-69194	X1000													X1000				X100	GOOD	GOOD
		X100													X1000						
		X100													X1000						
		X100													X1000						
		Tensile Test													Impact Test		Grain Size		[Remarks]		
		Parent (A370) Weld ()													Direction L ()		Spec. ASTM		SPECIFICATION:		
		Y.P. or Y.S. T.S. EL. Y.R. I.S. Weld													I.V. or A.E. Shear Area (%)		SPEC. ASTM		API5CT 8TH EDITION, JULY 2005		
		KSI													2V 10X5.0 min.		ASTM E112		HREAT TREATMENT: AUSTENITIZING,		
		max. 92.5 min. 80.0													EACH AVE. EACH AVE.		ASTM E112		AIR COOLING & TEMPERING		
		85.0 109.5 27.6													97.8 98.7 100.0		100		MIN. TEMPERING TEMPERATURE 700°C		
		82.8 107.3 27.7													98.7 98.7 100.0		100		JFE-SML-99-52 REV.6		
																			JFE-SML-99-132 REV.5		
																			PROCESS: BASIC OXYGEN CONVERTER		
																			HEAT TREATMENT: GOOD		
																			HARDNESS TEST: REFER TO ATTACHMENT 1		

IN-SPEC KOBE LTD.

T. Mori

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Manager, Quality Assurance Sec.

NC6

J12 YG09741Z

Certificate No. (Invoice No.): NAO702Y198

Order No. : 6695-A6Y29-01

Shipper : MARUBENI-ITOCHU STEEL INC.

Customer:

Customer's Control No.:

Customer's Control No. 3 :

Commodity : SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Project Name:

Effective Year:

Specification: API5CT L80-13CR-TUB**10 (BPE-SQR)

Size : 5" X 14.88 LBS X R3

Quantity : 807 Mass : 215,999 Kg Total Length : 31,952.5 F

Ship No. : Construction No.:

MFG. No. Heat No.	Chemical Composition (%)													N: Heat Analysis P: Product Analysis			Hydrostatic Test	7600PSI (5SEC.)			Bend Test								
	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq		WT: GOOD	UT: GOOD										
	X1000	X100	X100	X1000	X1000	X1000	X100	X100	X100	X1000	X1000	X1000	X1000	X10000	X10000	X100		GOOD	GOOD										
73572-07 (54)	max. 220	100	100	20	1025	50	1400	1200									N.D.E.	WT: GOOD	UT: GOOD	GOOD	Flattening Test								
	min. 150		25																										
	max. 220	100	100	20	1025	50	1400	1200										WT: GOOD	UT: GOOD										
	min. 150		25																										
73572-07 (54)	H	200	36	40	14	1	1	121290									Visual Dimension	GOOD		GOOD	Drift Test								
	P	200	36	40	13	1	1	121290																					
	F	200	35	40	13	1	1	121290																					
73572-07 (54)	T.S.	EL.	Y.R.	T.S.	Weld												Tensile Specimen	Strip		ASTM 1"									
																		Round											
																		Full Sec.											
Tensile Test		Impact Test		Grain Size		[Remarks]		SPECIFICATION:		API5CT 8TH EDITION, JULY 2005		HREAT TREATMENT: AUSTENITIZING,		AIR COOLING & TEMPERING		MIN. TEMPERING TEMPERATURE 700°C		JFE-SML-99-52 REV. 6		JFE-SML-99-132 REV. 5		PROCESS: BASIC OXYGEN CONVERTER		HEAT TREATMENT: GOOD		HARDNESS TEST: REFER TO ATTACHMENT 1			
Parent (A370) Yield ()		Direction L (0°C)		Spec. ASTM																									
Y.P. or Y.S.	T.S.	EL.	Y.R.	T.S.	Weld																								
KSI																													
max. 92.5	min. 80.0	95.0	165																										
85.7	110.1	26.9																											
87.2	111.2	25.4																											

IN-SPEC KOBE LTD.

T. Mori

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S), AND THAT THEY SATISFY THE REQUIREMENTS.

Manager, Quality Assurance Sec.

御田 宏一 NCB

御田 宏一 NCB

INSPECTION CERTIFICATE

JC-04 10/13

JFE Steel Corporation

CHITA WORKS

1 Kawasaki-cho 1-chome, Harada-City, Aichi Pref. 475-8611

JFE

Date : FEBRUARY 14, 2007

Reference No.:

127-13
el Corporation

INSPECTION CERTIFICATE

JFE Steel Corporation

1 Kawasaki-cho 1-chome, Handa-City, Aichi, Pref. 475-8611
Japan

33

Date : FEBRUARY 14, 2007

Reference No.:

Customer's Control No. 3

Commodity : SEAMLESS STEEL TUBING API5CT L80-13CR PLAIN END

Effective Year:

Specification: APL5CTL80-13CR-TUB**ID (BPE-SQR)

Size : 5" X 14.88 LBS X R3

Quantity	:	<u>807</u>	Mass	:	<u>215.999 Kg</u>
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31.952,5 €

Ship No.: Construction No.:

[illegible]

IN-SPEC KOBE LTD.

7 Nov;

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION(S) AND THAT THEY SATISFY THE

Manager, Quality Assurance Sec.

HARDNESS TEST

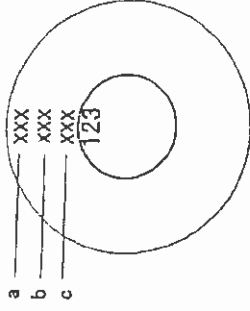
ATTACHMENT 1
(6695-A6Y29-01)

SPECIFICATION: API 5CT 80-13CR-TUB

SIZE

: 5" X 14.88 LBS X R3

HRC. Max. 22.0



PAGE: 1/3

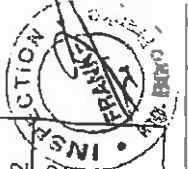
a: OUTSIDE

b: CENTER

c: INSIDE

MFG. NO.	HEAT NO.	1	2	3	AVE.
73572-01	2-69196	a 18.7	18.0	17.7	18.1
		b 18.6	19.2	19.1	19.0
		c 18.0	19.4	18.3	18.6
"	"	a 18.9	18.8	19.3	19.0
		b 19.6	19.9	19.9	19.8
		c 19.2	20.0	19.4	19.5
"	"	a 18.9	18.7	18.7	18.8
		b 18.7	18.6	18.3	18.5
		c 18.0	19.9	18.5	18.8
73572-03	2-69195	a 18.8	19.4	19.2	19.1
		b 19.6	19.7	19.4	19.6
		c 18.3	18.3	18.2	18.3
73572-03	2-69195	a 19.2	19.5	20.0	19.6
		b 19.4	19.4	19.4	19.4
		c 19.5	19.7	19.8	19.7
"	"	a 18.8	18.9	18.7	18.8
		b 19.6	19.2	19.1	19.3
		c 19.5	19.8	19.2	19.5
"	"	a 19.7	19.5	19.6	19.6
		b 19.5	20.0	19.8	19.8
		c 19.7	19.8	19.8	19.8
"	"	a 19.6	19.6	19.7	19.6
		b 19.7	20.0	19.9	19.9
		c 19.3	19.8	19.6	19.6

MFG. NO.	HEAT NO.	1	2	3	AVE.
73572-04	2-69176	a 20.5	20.4	20.2	20.4
		b 20.0	20.7	20.8	20.5
		c 20.4	20.4	20.5	20.4
"	"	a 19.9	20.1	20.3	20.1
		b 19.8	20.1	20.3	20.1
		c 20.5	20.3	20.4	20.4
"	"	a 19.7	20.1	20.1	20.0
		b 20.1	20.5	20.5	20.4
		c 20.3	20.3	20.3	20.3
"	"	a 20.4	20.1	20.5	20.3
		b 19.8	20.0	20.1	20.0
		c 20.0	20.5	20.0	20.2
"	"	a 20.2	20.2	20.2	20.2
		b 20.2	20.0	20.3	20.2
		c 20.1	20.2	19.9	20.1
73572-05	1-82069	a 21.1	20.8	20.9	20.9
		b 21.5	21.4	21.1	21.3
		c 21.3	21.1	21.2	21.2
"	"	a 20.7	20.9	20.7	20.8
		b 21.2	20.9	21.0	21.0
		c 21.0	21.5	21.2	21.2
73572-08	2-69179	a 20.1	20.2	20.2	20.2
		b 20.8	20.6	20.4	20.6
		c 20.9	21.0	20.5	20.8



NO.2

B.112 10612005

Certificate No. (Doc. No.) A30763A816

Order No. 7290537-01

Shipper:

Customer:

Customer's Order No.:

Commodity SEAMLESS STEEL TUBING JFE-13CR95 PLAIN END

Project Name:

Specification JFE-13CR95 TUBING (FE)

Size OD4-1.2"X12.05LBSAR2MA40

Quantity 20 Pcs 4.655 kg Total Length 756.3 F

Ship No.:

Construction No.:

IC-04 3/9

JFE Steel Corporation

CHITA WORKS
1, Kawasaki-cho 1-chome, Hayda-City, Aichi Pref 475-8611
Japan
Date MAY 29, 2007

INSPECTION CERTIFICATE



Reference No.:

Effective Date:

MFG. No.	Heat No.	Chemical Composition (%)													H. Heat Analysis P. Product Analysis					9800PSI (5SEC.)	Bend Test			
		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Ti	V	Nb	B	N	Ceq	Hydrostatic Test	Flattening Test	Plating Test			Drift Test		
73985-05 (1)		x1000													x1000					GOOD	MT: GOOD UT: GOOD	Flattening Test	Plating Test	GOOD
		220100100 20 1025 501400 1200																						
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IN-SPEC KOBE LTD.

T Mori

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATIONS AND THAT THEY SATISFY THE REQUIREMENTS

御田 宏一

Manager, Quality Assurance Sec.



NO.3 3112 1000

Certificate No. 1000

Order No. 7500337-991

Shipped MARUBUNI STEEL CO., LTD.

Customer

Customer's Certificate

Commodity SEAMLESS STEEL TUBING JFE-100P95 PLAIN END

Product Name

Specification JFE-100P95 TUBING

Size 1004-1/2" O.D. 9.2 LB/FT

Quantity 20 Mass 1.655 kg Total Length 7.35 m

Ship No.

Construction No.

INSPECTION CERTIFICATE



JFE Steel Corporation
CHITA WORKS
1-1-1, Kawasaki-cho, I-chome, Hamada-City, Aichi Pref. 475-0811
Japan
Date MAY 29 2007

Reference No.

Effective Year

MFG No.	Heat No	Chemical Composition (%)														III Heat Analysis Product Analysis				9800PSI (5SEC.)	Tribulation Test GOOD	Bend Test
		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq	Hydrogen Test GOOD	Flattening Test GOOD			
73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
		X1000														X1000						
		X1000														X1000						
		X1000														X1000						
		X1000														X1000						
73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
		X1000														X1000						
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		X1000														X1000						
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
		X1000														X1000						
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
		X1000														X1000						
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		X1000														X1000						
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
		X1000														X1000						
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	
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73985-07 (1)	1-85381	X1000														X1000				GOOD	N.D.E.	

INSPECTION CERTIFICATE

NO. 83 BJ12 YOKI200
 Customer No. (JFE) NA07023516
 Order No. 7100237-991
 Shipper NIPPON STEEL STEEL INC.
 Customer

JFE Steel Corporation
 CHITA WORKS
 1-1, Kawasaki-cho, I-chome, Hamada-City, Aichi Pref. 475-8611
 Japan
 Date MAY 29 2007



JC-04 9/ 9

Reference No.

Commodity SEAMLESS STEEL TUBING JFE-13CR95 PLAIN END

Project Name Effective Year

Specification JFE-13CR95 TUBING (PE)

Size OD4-1.25 IN (51.815 mm) x 0.10 IN (2.54 mm)

Quantity 200 Mass 4.665 kg Total Length 756.3 F Construction No.

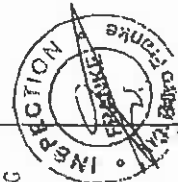
MFG. No.	Heat No.	Chemical Composition (%)										H. Heat Analysis P. Product Analysis				Mechanical Test (5 SEC.)	Bend Test	
		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Ti	Nb	B	N	Ceq			
73985-10 (5)	1-S6030	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
73985-10 (5)	1-S6030	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
		0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Tensile Test																		
Impact Test																		
Grain Size																		
Remarks																		
SPECIFICATION																		
API 5CT 8TH EDITION, JULY 2005																		
HEAT TREATMENT																		
AUSTENITIZING, AIR COOLING & TEMPERING																		
MIN. TEMPERING TEMPERATURE 640°C																		
JFE-SML-99-52 REV. 6																		
JFE-SML-99-132 REV. 5																		
PROCESS : BASIC OXYGEN CONVERTER																		
HAEDNESS TEST : REFER TO ATTACHMENT 1																		

IN-SPEC K0BE 110

T. KOBAYASHI

INSPECTION CERTIFICATE NO. 73985-10 (5) 1-S6030
 THE CUSTOMER'S SPECIFICATION IS SATISFIED AND THE REQUIREMENTS
 ARE FULLY COMPLIED WITH THE CUSTOMER'S SPECIFICATION.

日本鋼管株式会社
 Manager Quality Assurance Dept.



NO82 5012 AGK12900

Certificate No. Issue No. A10700A1922

Order No. 7200232-001

Shipper MARUBENI-ITOCHU STEEL INC.

Customer:

Customer's Order #

Customer's Control No. 2

Commodity SEAMLESS STEEL TUBING JFE-13CR95 PLAIN END

Project Name:

Effective Year:

Specification: JFE-13CR95 TUBING (PE)

Size QD4-1.2" X 12.05LBSXRB3MA40

Quantity 13 Mass 2,977 kg Total Length 502.8 F

Ship No.

Construction No.

INSPECTION CERTIFICATE



JFE Steel Corporation
CHITA WORKS
1-1 Kawasakicho 1-chome, Hamada-City Aichi Pref 475-8611
Japan

JC-01

3 3

JFE

Date JUNE 21, 2007

Reference No.

MFG. No.	Heat No.	Chemical Composition (%)														Heat Analysis P: Product Analysis					Hydrostatic Test	9800PSI (5SEC.)	Bend Test	
		C	Si	Mn	P	S	Co	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq							
MFG. No.	Heat No.	X1000														X1000		X10000		X100		N. D. E.	GOOD	Flattening Test
		220 100 100 20 1025 50 1400																		MT GOOD				
		150 25																			UT GOOD			
		220 100 100 20 1025 50 1400																						
		150 25																						
73985-07 (1)	1-85381	H 200 30 39 14 1 1 111289																		GOOD	Drift Test	ASTM 1"		
		P 200 31 38 13 1 1 111290																					Strip	
		P 200 31 38 13 1 1 111290																						Round
																		Tensile Specimen		Full Sec.				

Tensile Test	Impact Test	Grain Size	Remarks	
			SPECIFICATION	
Product (ASTM) Yield ()	Direction L ()	ASTM E112	API 5CT 8TH EDITION, JULY 2005	
Direction L ()	Direction L ()	ASTM E112	HEAT TREATMENT	
Ts EL Y.H. 1.5 Yield	Direction L ()	ASTM E112	AUSTENITIZING, AIR COOLING & TEMPERING	
TSI	Direction L ()	ASTM E112	MIN. TEMPERING TEMPERATURE 640°C	
TSI	Direction L ()	ASTM E112	JFE-SML-99-52 REV. 6	
TSI	Direction L ()	ASTM E112	JFE-SML-99-132 REV. 5	
TSI	Direction L ()	ASTM E112	PROCESS : BASIC OXYGEN CONVERTER	
TSI	Direction L ()	ASTM E112	HARDNESS TEST : REFER TO ATTACHMENT 1	

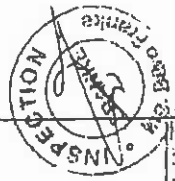
IN-SPEC KOBE LTD

T Mo:

WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATIONS, AND THAT THEY SATISFY THE REQUIREMENTS.

Inspector: 柳田 宏一 NB31788-05-002

Manager: Quality Assurance Sec



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THE JOURNAL OF THE

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105-77007-44 (ep.1)

Abstract

Curry

Case No. 3-00000

1. *Phragmites australis* (Cav.) Trin. ex Steud.

[illegible]

Conductivity SEAMLESS SLEET TUBING JFE-13CR95 PLAIN END

Project Name

Specifications JFF-13CK95 TUBING (FE)

Size QU4-1/2"X13.05LBSXR3MA40.

Quantity	13	Mass	2977 kg
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Total Length:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Chas. M. ...

Continued on p. 10

INSPECTION CERTIFICATE



JFE Steel Corporation
JFE STEEL WORKS
1-1, Kawakaki-cho, 1-chome, Handa-City Aichi Pref. 470
Japan
Date: 10.04.2007

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CHITA WORKS

KAWASAKI-CHO I-CHOSEI HANJO-CITY Aichi
Japan

JUL 21 2007

Customer

Case No. 3-00000

1. *Introduction*

[illegible]

Conductivity SEAMLESS SLEET TUBING JFE-13CR95 PLAIN END

Project Name

Specifications JFF-13CK95 TUBING (FE)

Size QU4-1/2"X13.05LBSXR3MA40.

Quantity	13	Mass	2977 kg
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Total Length:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	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	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Chase, M. A.

Continued on p. 10

MFG No.	Heat No.	Chemical Composition (%)													Heat Analysis? Product Analysis							Hydrostatic Test (5 SEC.)	Hardness Test												
		C	Si	Mn	P	S	Co	Ni	Cr	Mo	Al	Ti	V	Nb	B	N	Ceq	Visual Dimension	Test's Specimen	Full Sec.															
73985-09 (4)	1-86036	×1000: ×100													×1000							×100							GOOD	Flattening Test					
		22.0 2.0 1.0 20 10.25 50.1400													50.1400							50.1400													
		150 25 1200													1200							1200													
		220 100 100 20 10.25 50.1400													50.1400							50.1400													
73985-09 (4)	1-86036	150 25 1200													1200							1200							GOOD	Flattening Test					
		16 200 30 13 15 1 15.1291													15.1291							15.1291													
		P 200 31 11 15 1 14.1300													14.1300							14.1300													
		P 200 31 12 15 1 14.1300													14.1300							14.1300													
		Tensile Test													Impact Test							Grain Size							Remarks:						
		Yield (ASTM A370) 60													Charpy V Notch							100							100						
		Tensile (ASTM A370) 70													Charpy V Notch							100							100						
		Elong. (%) 15													Charpy V Notch							100							100						
		Reduc. Area (%) 40													Charpy V Notch							100							100						
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WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, INSPECTED AND TESTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATIONS, AND THAT THEY SATISFY THE REQUIREMENTS OF THE CUSTOMER'S SPECIFICATIONS.

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Manager, Quality Assurance Sr.: