



**CERTIFICATE of COMPLIANCE**

**EL DORADO DRILLING  
PURCHASE ORDER NUMBER  
D2013-0060**

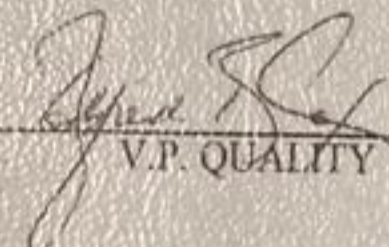
**SALES ORDER NUMBER  
057/0114F**

**SPECIFICATIONS (applicable parts):  
API: 5DP Rev. 1 (08-01-10)**

**This hereby certifies that the herein described  
material meets the requirements of the  
above referenced documents.**

**EL DORADO DRILLING STRING#: 114F  
SERIAL#s: 001-326**

326 JTS., 10,253.24', 4.000, 0.330w, S135, 95% WALL,  
RANGE 2, IU, 4-7/8" x 2-9/16" TOOL JOINTS (2" LTS),  
TSDS-38(ZINC PHOSPHATE ANTI-GALL TREATMENT),  
17,520FT-LB(3X) MAKE & BREAK, DURABAND (BOX),  
SPA 100 INTERNAL PLASTIC COAT, CLOSED THREAD PROTECTORS  
MAX LENGTH 31.56' MIN LENGTH 31.30' VARIANCE 0.26'

  
V.P. QUALITY

04/09/13  
DATE

**Texas Steel Conversion, Inc. Drill Pipe Traceability Log**

Shop Order # 057/0114F

Customer String # 114F

DOP Drill Pipe #	Drill Pipe				Weld-Line								Finished Tally		
	Heat Treat Joint Serial #	Heat Treat Lot #	Heat Treat TSC Test #	Pipe Mill Heat #	Pin Tool Joint				Box Tool Joint					Weld Lot Test # Pin	Weld Lot Test # Box
	Serial #	Lot #	Test #	Heat #	Serial #	Heat Code	Serial #	Heat Code	Serial #	Heat Code	Pin	Box			
1	80	57684	104179	570837	131	3153 3 F03	222	3153 1 E79	1845	01846	31.46				
2	105	57684	104179	570837	132	3153 3 F03	221	3153 1 E79	1845	01846	31.48				
3	118	57685	104180	571506	133	3153 3 F03	220	3153 1 E79	1845	01846	31.48				
4	208	57686	104181	571539	269	3153 2 F03	218	3153 1 E79	1845	01846	31.40				
5	21	57683	104178	571127	76	3153 2 F03	195	3153 1 E79	1845	01846	31.47				
6	12	57683	104178	571127	25	3153 2 F03	183	3153 1 F03	1845	01846	31.50				
7	137	57685	104180	571506	34	3153 2 F03	277	3153 1 E79	1845	01846	31.46				
8	48	57683	104178	571127	108	3153 3 F03	276	3153 1 E79	1845	01846	31.43				
9	71	57684	104179	570837	126	3153 3 F03	275	3153 2 E79	1845	01846	31.48				
10	72	57684	104179	570837	107	3153 3 F03	274	3153 1 E79	1845	01846	31.52				
11	101	57684	104179	570837	134	3153 3 F03	219	3153 1 E79	1845	01846	31.48				
12	144	57685	104180	571506	136	3153 3 F03	273	3153 1 E79	1845	01846	31.40				
13	54	57683	104178	571127	137	3153 3 F03	272	3153 2 E79	1845	01846	31.49				
14	104	57684	104179	570837	138	3153 3 F03	271	3153 1 E79	1845	01846	31.43				
15	90	57684	104179	570837	135	3153 3 F03	270	3153 1 E79	1845	01846	31.42				
16	136	57685	104180	571506	141	3153 3 F03	269	3153 1 E79	1845	01846	31.48				
17	149	57685	104180	571506	139	3153 3 F03	268	3153 1 E79	1845	01846	31.47				
18	167	57686	104181	571539	143	3153 3 F03	267	3153 1 E79	1845	01846	31.46				
19	156	57686	104181	571539	144	3153 3 F03	266	3153 1 E79	1845	01846	31.45				
20	162	57686	104181	571539	146	3153 3 F03	265	3153 1 E79	1845	01846	31.38				
21	70	57684	104179	570837	113	3153 3 F03	263	3153 1 E79	1845	01846	31.55				
22	145	57685	104180	571506	112	3153 3 F03	264	3153 1 E79	1845	01846	31.52				
23	88	57684	104179	570837	128	3153 3 F03	293	3153 2 F03	1845	01846	31.44				
24	133	57685	104180	571506	23	3153 2 F03	184	3153 1 F03	1845	01846	31.33				
25	52	57683	104178	571127	129	3153 3 F03	292	3153 2 F03	1845	01846	31.50				
26	49	57683	104178	571127	130	3153 3 F03	291	3153 2 E79	1845	01846	31.43				
27	148	57685	104180	571506	115	3153 3 F03	290	3153 2 F03	1845	01846	31.43				
28	74	57684	104179	570837	114	3153 3 F03	288	3153 1 E79	1845	01846	31.46				
29	138	57685	104180	571506	118	3153 3 F03	289	3153 1 E79	1845	01846	31.45				
30	92	57684	104179	570837	116	3153 3 F03	287	3153 2 E79	1845	01846	31.38				
31	87	57684	104179	570837	104	3153 3 F03	239	3153 2 E79	1845	01846	31.43				
32	292	57686	104181	571539	285	3153 2 F03	235	3153 1 E79	1845	01846	31.42				
33	83	57684	104179	570837	117	3153 3 F03	286	3153 1 E79	1845	01846	31.48				
34	93	57684	104179	570837	26	3153 2 F03	285	3153 2 E79	1845	01846	31.49				
35	245	57686	104181	571539	28	3153 2 F03	283	3153 1 E79	1845	01846	31.45				
36	7	57683	104178	571127	27	3153 2 F03	284	3153 2 E79	1845	01846	31.30				
37	19	57683	104178	571127	29	3153 2 F03	282	3153 1 E79	1845	01846	31.48				
38	84	57684	104179	570837	30	3153 2 F03	281	3153 1 E79	1845	01846	31.48				
39	51	57683	104178	571127	20	3153 2 F03	321	3153 2 E79	1845	01846	31.44				
40	8	57683	104178	571127	31	3153 2 F03	280	3153 1 E79	1845	01846	31.46				
41	131	57685	104180	571506	32	3153 2 F03	279	3153 1 E79	1845	01846	31.48				
42	290	57686	104181	571539	36	3153 2 F03	320	3153 2 F03	1845	01846	31.40				
43	47	57683	104178	571127	33	3153 2 F03	278	3153 1 E79	1845	01846	31.48				
44	17	57683	104178	571127	35	3153 2 F03	319	3153 2 F03	1845	01846	31.49				
45	95	57684	104179	570837	45	3153 2 F03	318	3153 2 F03	1845	01846	31.47				
46	63	57684	104179	570837	46	3153 2 F03	317	3153 2 F03	1845	01846	31.49				
47	10	57683	104178	571127	24	3153 2 F03	316	3153 2 F03	1845	01846	31.45				
48	159	57686	104181	571539	55	3153 2 F03	315	3153 2 F03	1845	01846	31.42				
49	11	57683	104178	571127	56	3153 2 F03	314	3153 2 F03	1845	01846	31.44				
50	328	57686	104181	571539	5	3153 2 F03	313	3153 2 F03	1845	01846	31.46				
51	58	57684	104179	570837	52	3153 2 F03	312	3153 2 F03	1845	01846	31.44				
52	176	57686	104181	571539	2	3153 2 F03	311	3153 2 F03	1845	01846	31.40				
53	234	57686	104181	571539	3	3153 2 F03	310	3153 2 F03	1845	01846	31.46				
54	331	57686	104181	571539	4	3153 2 F03	309	3153 2 F03	1845	01846	31.47				
55	305	57686	104181	571539	6	3153 2 F03	308	3153 2 F03	1845	01846	31.45				
56	320	57686	104181	571539	7	3153 2 F03	307	3153 2 F03	1845	01846	31.49				
57	303	57686	104181	571539	316	3153 2 F03	145	3153 2 E79	1845	01846	31.43				
58	301	57686	104181	571539	317	3153 2 F03	144	3153 1 E79	1845	01846	31.40				
59	265	57686	104181	571539	318	3153 2 F03	143	3153 2 F03	1845	01846	31.43				
60	312	57686	104181	571539	319	3153 2 F03	142	3153 2 F03	1845	01846	31.50				
61	286	57686	104181	571539	286	3153 2 F03	140	3153 2 E79	1845	01846	31.41				
62	322	57686	104181	571539	320	3153 3 F03	141	3153 1 E79	1845	01846	31.49				
63	313	57686	104181	571539	287	3153 3 F03	139	3153 2 E79	1845	01846	31.45				
64	236	57686	104181	571539	289	3153 2 F03	138	3153 1 E79	1845	01846	31.43				
65	258	57686	104181	571539	288	3153 2 F03	137	3153 1 E79	1845	01846	31.47				
66	317	57686	104181	571539	290	3153 2 F03	136	3153 2 E79	1845	01846	31.51				
67	271	57686	104181	571539	291	3153 2 F03	135	3153 2 E79	1845	01846	31.45				
68	261	57686	104181	571539	294	3153 2 F03	134	3153 2 E79	1845	01846	31.46				
69	243	57686	104181	571539	302	3153 2 F03	128	3153 2 E79	1845	01846	31.42				
70	316	57686	104181	571539	300	3153 2 F03	127	3153 1 E79	1845	01846	31.47				
71	209	57686	104181	571539	249	3153 2 F03	126	3153 1 E79	1845	01846	31.41				

# Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0114F

Customer String # 114F

JCP Drill Pipe #	Drill Pipe				Pin Tool Joint				Box Tool Joint			Weld Lot	Weld Lot	Finished Tally	
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Serial #		Heat Code		Serial #	Heat Code		Test # Pin	Test # Box		
	Joint Serial #	Lot #	TSC Test #	Heat #											
72	266	57686	104181	571539	295	3153	2	F03	125	3153	2	E79	1845	01846	31.51
73	75	57684	104179	570837	163	3153	3	F03	15	3153	2	E79	1845	01846	31.53
74	270	57686	104181	571539	265	3153	2	F03	174	3153	1	E79	1845	01846	31.43
75	228	57686	104181	571539	325	3153	3	F03	178	3153	1	E79	1845	01846	31.41
76	260	57686	104181	571539	266	3153	2	F03	172	3153	1	F03	1845	01846	31.45
77	273	57686	104181	571539	327	3153	2	F03	176	3153	2	F03	1845	01846	31.46
78	310	57686	104181	571539	263	3153	2	F03	175	3153	1	E79	1845	01846	31.47
79	224	57686	104181	571539	267	3153	2	F03	171	3153	1	F03	1845	01846	31.48
80	2	57683	104178	571127	42	3153	2	F03	170	3153	1	F03	1845	01846	31.45
81	23	57683	104178	571127	43	3153	2	F03	168	3153	2	F03	1845	01846	31.42
82	18	57683	104178	571127	41	3153	2	F03	169	3153	1	F03	1845	01846	31.46
83	41	57683	104178	571127	63	3153	2	F03	167	3153	1	F03	1845	01846	31.46
84	217	57686	104181	571539	253	3153	2	F03	124	3153	1	F03	1845	01846	31.41
85	332	57686	104181	571539	298	3153	2	F03	123	3153	1	E79	1845	01846	31.45
86	241	57686	104181	571539	252	3153	2	F03	122	3153	1	E79	1845	01846	31.45
87	315	57686	104181	571539	296	3153	2	F03	121	3153	1	E79	1845	01846	31.48
88	237	57686	104181	571539	254	3153	2	F03	120	3153	1	E79	1845	01846	31.46
89	164	57686	104181	571539	210	3153	3	F03	119	3153	1	E79	1845	01846	31.40
90	197	57686	104181	571539	224	3153	3	F03	118	3153	1	E79	1845	01846	31.46
91	112	57684	104179	570837	106	3153	3	F03	238	3153	1	E79	1845	01846	31.46
92	193	57686	104181	571539	277	3153	2	F03	205	3153	1	E79	1845	01846	31.42
93	235	57686	104181	571539	223	3153	3	F03	117	3153	1	E79	1845	01846	31.44
94	229	57686	104181	571539	284	3153	2	F03	237	3153	1	E79	1845	01846	31.44
95	78	57684	104179	570837	120	3153	3	F03	257	3153	2	E79	1845	01846	31.45
96	219	57686	104181	571539	306	3153	3	F03	156	3153	2	F03	1845	01846	31.32
97	146	57685	104180	571506	92	3153	3	F03	253	3153	1	E79	1845	01846	31.44
98	132	57685	104180	571506	50	3153	2	F03	256	3153	2	E79	1845	01846	31.45
99	4	57683	104178	571127	90	3153	3	F03	254	3153	2	E79	1845	01846	31.49
100	307	57686	104181	571539	292	3153	3	F03	254	3153	2	E79	1845	01846	31.47
101	46	57683	104178	571127	97	3153	3	F03	133	3153	2	E79	1845	01846	31.55
102	296	57686	104181	571539	293	3153	2	F03	255	3153	1	E79	1845	01846	31.41
103	300	57686	104181	571539	299	3153	2	F03	132	3153	2	E79	1845	01846	31.41
104	226	57686	104181	571539	301	3153	2	F03	131	3153	1	E79	1845	01846	31.43
105	299	57686	104181	571539	297	3153	2	F03	130	3153	1	E79	1845	01846	31.43
106	232	57686	104181	571539	21	3153	2	F03	129	3153	1	E79	1845	01846	31.42
107	293	57686	104181	571539	324	3153	2	F03	186	3153	2	E79	1845	01846	31.46
108	264	57686	104181	571539	321	3153	3	F03	179	3153	2	F03	1845	01846	31.40
109	158	57686	104181	571539	151	3153	3	F03	182	3153	1	F03	1845	01846	31.49
110	272	57686	104181	571539	322	3153	2	F03	234	3153	2	E79	1845	01846	31.41
111	287	57686	104181	571539	283	3153	2	F03	234	3153	2	E79	1845	01846	31.42
112	227	57686	104181	571539	323	3153	3	F03	181	3153	1	E79	1845	01846	31.42
113	160	57686	104181	571539	152	3153	3	F03	236	3153	2	E79	1845	01846	31.38
114	69	57684	104179	570837	91	3153	3	F03	180	3153	1	E79	1845	01846	31.35
115	143	57685	104180	571506	100	3153	3	F03	244	3153	1	E79	1845	01846	31.37
116	117	57685	104180	571506	101	3153	3	F03	243	3153	2	E79	1845	01846	31.50
117	139	57685	104180	571506	102	3153	3	F03	242	3153	2	E79	1845	01846	31.50
118	1	57683	104178	571127	37	3153	2	F03	190	3153	1	E79	1845	01846	31.49
119	297	57686	104181	571539	40	3153	2	F03	188	3153	2	F03	1845	01846	31.45
120	134	57685	104180	571506	60	3153	2	F03	191	3153	1	E79	1845	01846	31.49
121	22	57683	104178	571127	39	3153	2	F03	187	3153	2	F03	1845	01846	31.42
122	3	57683	104178	571127	93	3153	3	F03	187	3153	2	F03	1845	01846	31.42
123	57	57684	104179	570837	94	3153	3	F03	252	3153	2	E79	1845	01846	31.44
124	9	57683	104178	571127	95	3153	3	F03	251	3153	2	E79	1845	01846	31.47
125	37	57683	104178	571127	12	3153	2	F03	250	3153	2	E79	1845	01846	31.49
126	319	57686	104181	571539	13	3153	2	F03	302	3153	1	F03	1845	01846	31.52
127	111	57684	104179	570837	122	3153	3	F03	301	3153	2	F03	1845	01846	31.43
128	150	57685	104180	571506	103	3153	3	F03	298	3153	2	F03	1845	01846	31.47
129	113	57684	104179	570837	105	3153	3	F03	241	3153	2	E79	1845	01846	31.44
130	15	57683	104178	571127	158	3153	3	F03	240	3153	2	E79	1845	01846	31.50
131	32	57683	104178	571127	8	3153	2	F03	223	3153	1	E79	1845	01846	31.45
132	26	57683	104178	571127	10	3153	2	F03	240	3153	2	E79	1845	01846	31.45
133	329	57686	104181	571539	9	3153	2	F03	306	3153	2	F03	1845	01846	31.44
134	50	57683	104178	571127	11	3153	2	F03	304	3153	2	F03	1845	01846	31.44
135	39	57683	104178	571127	64	3153	2	F03	305	3153	2	F03	1845	01846	31.47
136	163	57686	104181	571539	44	3153	2	F03	303	3153	1	F03	1845	01846	31.45
137	76	57684	104179	570837	65	3153	2	F03	165	3153	1	F03	1845	01846	31.45
138	34	57683	104178	571127	67	3153	2	F03	166	3153	1	F03	1845	01846	31.45
139	109	57684	104179	570837	66	3153	2	F03	164	3153	1	F03	1845	01846	31.36
140	246	57686	104181	571539	280	3153	2	F03	162	3153	1	F03	1845	01846	31.45
141	288	57686	104181	571539	281	3153	2	F03	163	3153	2	F03	1845	01846	31.45
142	259	57686	104181	571539	282	3153	2	F03	202	3153	1	E79	1845	01846	31.44
									201	3153	1	E79	1845	01846	31.44
									200	3153	1	E79	1845	01846	31.44

# Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0114F

Customer String # 114F

Drill Pipe #	Drill Pipe				Weld-Line										
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint			Box Tool Joint			Weld Lot	Weld Lot	Finished Tally		
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code		Serial #	Heat Code		Test # Pin	Test # Box			
143	40	57683	104178	571127	72	3153	2	F03	198	3153	1	E79	1845	01846	31.49
144	20	57683	104178	571127	73	3153	2	F03	197	3153	1	E79	1845	01846	31.50
145	116	57684	104179	570837	74	3153	2	F03	196	3153	1	E79	1845	01846	31.50
146	68	57684	104179	570837	57	3153	2	F03	193	3153	1	E79	1845	01846	31.53
147	126	57685	104180	571506	71	3153	2	F03	199	3153	2	E79	1845	01846	31.43
148	66	57684	104179	570837	53	3153	2	F03	194	3153	2	E79	1845	01846	31.51
149	263	57686	104181	571539	308	3153	2	F03	153	3153	2	F03	1845	01846	31.52
150	285	57686	104181	571539	309	3153	2	F03	152	3153	2	F03	1845	01846	31.38
151	223	57686	104181	571539	310	3153	3	F03	151	3153	2	F03	1845	01846	31.46
152	220	57686	104181	571539	311	3153	2	F03	150	3153	2	F03	1845	01846	31.39
153	268	57686	104181	571539	312	3153	2	F03	149	3153	1	F03	1845	01846	31.50
154	267	57686	104181	571539	314	3153	2	F03	147	3153	2	F03	1845	01846	31.51
155	318	57686	104181	571539	313	3153	2	F03	148	3153	1	F03	1845	01846	31.50
156	81	57684	104179	570837	22	3153	2	F03	185	3153	2	E79	1845	01846	31.47
157	302	57686	104181	571539	315	3153	2	F03	146	3153	2	E79	1845	01846	31.47
158	6	57683	104178	571127	38	3153	2	F03	189	3153	1	E79	1845	01846	31.49
159	214	57686	104181	571539	270	3153	2	F03	216	3153	1	E79	1845	01846	31.45
160	175	57686	104181	571539	268	3153	2	F03	217	3153	1	E79	1845	01846	31.42
161	218	57686	104181	571539	233	3153	3	F03	215	3153	1	E79	1845	01846	31.41
162	188	57686	104181	571539	149	3153	3	F03	232	3153	1	E79	1845	01846	31.42
163	177	57686	104181	571539	150	3153	3	F03	231	3153	1	E79	1845	01846	31.39
164	180	57686	104181	571539	153	3153	3	F03	230	3153	1	E79	1845	01846	31.48
165	45	57683	104178	571127	58	3153	2	F03	192	3153	1	E79	1845	01846	31.50
166	168	57686	104181	571539	142	3153	3	F03	262	3153	2	E79	1845	01846	31.42
167	67	57684	104179	570837	110	3153	3	F03	261	3153	1	E79	1845	01846	31.53
168	108	57684	104179	570837	111	3153	3	F03	260	3153	2	E79	1845	01846	31.50
169	79	57684	104179	570837	119	3153	3	F03	259	3153	1	E79	1845	01846	31.49
170	173	57686	104181	571539	109	3153	3	F03	258	3153	1	E79	1845	01846	31.42
171	64	57684	104179	570837	79	3153	2	F03	246	3153	2	E79	1845	01846	31.53
172	238	57686	104181	571539	262	3153	2	F03	109	3153	1	E79	1845	01846	31.48
173	98	57684	104179	570837	48	3153	2	F03	107	3153	1	E79	1845	01846	31.54
174	38	57683	104178	571127	49	3153	2	F03	106	3153	1	E79	1845	01846	31.49
175	24	57683	104178	571127	54	3153	2	F03	104	3153	1	E79	1845	01846	31.45
176	103	57684	104179	570837	47	3153	2	F03	105	3153	1	E79	1845	01846	31.48
177	28	57683	104178	571127	51	3153	2	F03	103	3153	1	E79	1845	01846	31.45
178	65	57684	104179	570837	77	3153	2	F03	102	3153	1	E79	1845	01846	31.52
179	115	57684	104179	570837	75	3153	2	F03	108	3153	1	E79	1845	01846	31.53
180	278	57686	104181	571539	221	3153	3	F03	66	3153	1	F03	1845	01846	31.45
181	141	57685	104180	571506	80	3153	2	F03	100	3153	1	E79	1845	01846	31.48
182	140	57685	104180	571506	81	3153	2	F03	99	3153	1	E79	1845	01846	31.45
183	31	57683	104178	571127	78	3153	2	F03	101	3153	1	E79	1845	01846	31.44
184	309	57686	104181	571539	228	3153	3	F03	61	3153	1	F03	1845	01846	31.48
185	42	57683	104178	571127	70	3153	2	F03	159	3153	2	F03	1845	01846	31.50
186	294	57686	104181	571539	304	3153	2	F03	155	3153	2	F03	1845	01846	31.43
187	36	57683	104178	571127	68	3153	2	F03	161	3153	1	F03	1845	01846	31.44
188	256	57686	104181	571539	303	3153	3	F03	158	3153	2	F03	1845	01846	31.47
189	114	57684	104179	570837	69	3153	2	F03	160	3153	2	F03	1845	01846	31.52
190	314	57686	104181	571539	307	3153	3	F03	154	3153	2	F03	1845	01846	31.46
191	222	57686	104181	571539	305	3153	2	F03	157	3153	2	F03	1845	01846	31.45
192	240	57686	104181	571539	14	3153	2	F03	300	3153	2	F03	1845	01846	31.41
193	77	57684	104179	570837	127	3153	3	F03	296	3153	2	F03	1845	01846	31.48
194	107	57684	104179	570837	124	3153	3	F03	295	3153	1	F03	1845	01846	31.47
195	82	57684	104179	570837	125	3153	3	F03	294	3153	2	F03	1845	01846	31.50
196	44	57683	104178	571127	59	3153	2	F03	327	3153	2	F03	1845	01846	31.43
197	25	57683	104178	571127	16	3153	2	F03	325	3153	-1	F03	1845	01846	31.40
198	43	57683	104178	571127	15	3153	2	F03	326	3153	2	F03	1845	01846	31.47
199	275	57686	104181	571539	17	3153	2	F03	324	3153	2	F03	1845	01846	31.47
200	33	57683	104178	571127	18	3153	2	F03	323	3153	2	F03	1845	01846	31.45
201	29	57683	104178	571127	19	3153	2	F03	322	3153	2	F03	1845	01846	31.49
202	129	57685	104180	571506	96	3153	3	F03	249	3153	2	E79	1845	01846	31.49
203	142	57685	104180	571506	98	3153	3	F03	248	3153	2	E79	1845	01846	31.51
204	100	57684	104179	570837	99	3153	3	F03	247	3153	2	E79	1845	01846	31.52
205	97	57684	104179	570837	84	3153	2	F03	96	3153	1	E79	1845	01846	31.46
206	247	57686	104181	571539	256	3153	2	F03	115	3153	1	E79	1845	01846	31.47
207	324	57686	104181	571539	258	3153	2	F03	113	3153	1	E79	1845	01846	31.46
208	225	57686	104181	571539	259	3153	2	F03	112	3153	1	E79	1845	01846	31.41
209	298	57686	104181	571539	260	3153	2	F03	111	3153	1	E79	1845	01846	31.38
210	321	57686	104181	571539	261	3153	2	F03	110	3153	1	E79	1845	01846	31.45
211	183	57686	104181	571539	273	3153	3	F03	210	3153	1	E79	1845	01846	31.45
212	203	57686	104181	571539	272	3153	2	F03	211	3153	1	E79	1845	01846	31.39
213	281	57686	104181	571539	276	3153	2	F03	207	3153	2	E79	1845	01846	31.39

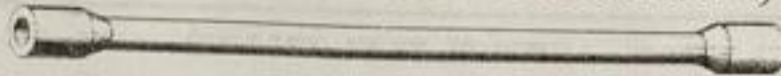
## Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0114F

Customer String # 114F

Drill Pipe #	Drill Pipe				Weld-Line								Finished Tally		
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint				Box Tool Joint					Weld Lot	Weld Lot
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code			Serial #	Heat Code				Test # Pin	Test # Box
285	201	57686	104181	571539	202	3153	3	F03	44	3153	1	F03	1845	01846	31.44
286	91	57684	104179	570837	203	3153	3	F03	43	3153	1	F03	1845	01846	31.49
287	189	57686	104181	571539	162	3153	3	F03	16	3153	2	E79	1845	01846	31.37
288	308	57686	104181	571539	184	3153	3	F03	38	3153	1	F03	1845	01846	31.48
289	291	57686	104181	571539	205	3153	3	F03	41	3153	1	F03	1845	01846	31.42
290	333	57686	104181	571539	206	3153	3	F03	40	3153	2	E79	1845	01846	31.50
291	16	57683	104178	571127	177	3153	3	F03	39	3153	1	F03	1845	01846	31.51
292	283	57686	104181	571539	230	3153	3	F03	60	3153	1	F03	1845	01846	31.45
293	122	57685	104180	571506	207	3153	3	F03	59	3153	1	F03	1845	01846	31.48
294	56	57683	104178	571127	208	3153	3	F03	58	3153	1	F03	1845	01846	31.42
295	304	57686	104181	571539	213	3153	3	F03	56	3153	1	F03	1845	01846	31.46
296	326	57686	104181	571539	209	3153	3	F03	57	3153	2	E79	1845	01846	31.45
297	169	57686	104181	571539	214	3153	3	F03	55	3153	1	F03	1845	01846	31.40
298	119	57685	104180	571506	215	3153	3	F03	54	3153	1	F03	1845	01846	31.44
299	30	57683	104178	571127	216	3153	3	F03	53	3153	1	F03	1845	01846	31.48
300	181	57686	104181	571539	244	3153	3	F03	73	3153	1	E79	1845	01846	31.43
301	14	57683	104178	571127	178	3153	3	F03	37	3153	1	F03	1845	01846	31.45
302	185	57686	104181	571539	179	3153	3	F03	36	3153	1	F03	1845	01846	31.41
303	130	57685	104180	571506	180	3153	3	F03	35	3153	2	E79	1845	01846	31.44
304	252	57686	104181	571539	183	3153	3	F03	31	3153	1	F03	1845	01846	31.49
305	99	57684	104179	570837	181	3153	3	F03	34	3153	1	F03	1845	01846	31.46
306	13	57683	104178	571127	174	3153	3	F03	33	3153	2	E79	1845	01846	31.48
307	153	57686	104181	571539	164	3153	3	F03	14	3153	2	E79	1845	01846	31.38
308	157	57686	104181	571539	165	3153	3	F03	13	3153	2	E79	1845	01846	31.48
309	135	57685	104180	571506	166	3153	3	F03	12	3153	2	E79	1845	01846	31.45
310	128	57685	104180	571506	167	3153	3	F03	11	3153	2	E79	1845	01846	31.44
311	89	57684	104179	570837	168	3153	3	F03	10	3153	2	E79	1845	01846	31.53
312	171	57686	104181	571539	169	3153	3	F03	9	3153	1	F03	1845	01846	31.42
313	102	57684	104179	570837	170	3153	3	F03	8	3153	2	E79	1845	01846	31.52
314	123	57685	104180	571506	155	3153	3	F03	7	3153	2	E79	1845	01846	31.45
315	121	57685	104180	571506	171	3153	3	F03	6	3153	2	E79	1845	01846	31.46
316	254	57686	104181	571539	175	3153	3	F03	3	3153	1	F03	1845	01846	31.47
317	96	57684	104179	570837	172	3153	3	F03	5	3153	2	E79	1845	01846	31.50
318	165	57686	104181	571539	173	3153	3	F03	4	3153	2	E79	1845	01846	31.44
319	216	57686	104181	571539	192	3153	3	F03	23	3153	1	F03	1845	01846	31.46
320	170	57686	104181	571539	176	3153	3	F03	2	3153	2	E79	1845	01846	31.44
321	174	57686	104181	571539	159	3153	3	F03	19	3153	2	E79	1845	01846	31.42
322	269	57686	104181	571539	193	3153	3	F03	22	3153	1	F03	1845	01846	31.46
323	192	57686	104181	571539	161	3153	3	F03	18	3153	1	F03	1845	01846	31.42
324	279	57686	104181	571539	194	3153	3	F03	21	3153	2	E79	1845	01846	31.47
325	182	57686	104181	571539	160	3153	3	F03	17	3153	2	E79	1845	01846	31.37
326	127	57685	104180	571506	195	3153	3	F03	20	3153	2	E79	1845	01846	31.48

# TEXAS STEEL CONVERSION, INC.



MANUFACTURER/PROCESSOR OF OIL COUNTRY TUBULAR GOODS

## MATERIAL CERTIFICATION

The herein described material has been manufactured or processed, sampled, tested, inspected in accordance with the applicable API specifications and sales order requirements and meets the requirements for the grade indicated.

CUSTOMER: TSC DRILL PIPE/  
EL DORADO DRILLING

SO# 057/0114F

SIZE : 4.000x0.330

GRADE : S135

HEAT TREAT : Q&T

SET: IU

PO# D2013-0060

MILL: TSC/C.E. KING

MFG. PROC.: SMLS

SPEC: API:5DP

1

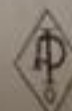
(Latest Edition)

TEST#	# JTS	HEAT #	LOT #
104178	56	571127	057683
104179	60	570837	057684
104180	36	571506	057685
104181	182	571539	057686

#	C	Si	Mn	P	S	Cr	Mo	Ni	V	Al	Nb	Sn	Ti	Cu	Ca	B
17	.26	.20	.87	.005	.002	.94	.41	.09	.005	.029	.001	.008	.031	.11		.0013
17	.27	.19	.95	.005	.003	.97	.40	.11	.005	.032	.001	.009	.037	.10		.0018
16	.26	.22	.89	.007	.002	.94	.40	.11	.005	.034	.001	.009	.036	.13		.0015
19	.27	.19	.89	.006	.003	.94	.39	.08	.005	.037	.001	.008	.035	.13		.0013

*[Signature]*  
Fred B. Cox  
Quality

04/09/13  
DATE



# TEXAS STEEL CONVERSION, INC.

## QUALITY TEST REPORT

CUSTOMER: TSC DRILL PIPE/ EL DORADO DRILLING	TEST #	104178
SO# 057/0114F	SIZE: 4.000X0.330	LOT # 57683
PO# D2013-0060	UPSET: IU	HEAT#: 571127
PSL: 1	GRADE: S135	MFG. PROC. SMLS
MILL: TSC/C.E. KING	SPEC: API:5DP	HEAT TREAT: Q&T
	08/01/10	# JTS/LOT : 56
	.7% EUL	

### TENSILE TEST

DIMENSIONS (Inches)	AREA (Sq. In.)	YIELD STRENGTH (Lbs/Sq. In.)	TENSILE STRENGTH (Lbs/Sq. In.)	ELONG (IN 2")	ROA (%)
0.359X0.978	0.356	(B) 148300	155200	19.9	54.5
0.508 (BAR DIAM.)		(U) 149800	158000	15.9	60.6

BODY TYPE: LONGITUDINAL STRIP

### TENSILE SPECIMEN HARDNESS M.H.N.s

O.D.	33.7
MID	34.2
I.D.	34.3

### UPSET HARDNESS VARIATION

QUADRANT	1	2
O.D. M.H.N.	34.9	34.5
MID M.H.N.	34.9	34.5
I.D. M.H.N.	35.1	35.4

### CHARPY IMPACT TEST

CHARPY TYPE	IMPACT (ft-lbs)	LATERAL EXPANSION (mils)	FRACTURE (% D/F)
LOCATION: BODY-MID WALL			
TESTED AT +70 °F	63	54	100
SIZE: 10x7.5	63	55	100
ORIENTATION: LONGITUDINAL	61	51	95
AVERAGE	62		

### CHEMICAL PRODUCT ANALYSIS

#	C	Si	Mn	P	S	Cr	Mo	Ni	V	Al	Nb	Sn	Ti	Cu	Ca	B
1	.26	.19	.87	.006	.001	.91	.40	.09	.005	.024	.002	.007	.030	.12	.0014	.0012
2	.27	.19	.87	.006	.002	.91	.40	.10	.005	.024	.002	.007	.031	.12	.0014	.0012

3/20/13

# TEXAS STEEL CONVERSION, INC.

## QUALITY TEST REPORT

CUSTOMER: TSC DRILL PIPE/ EL DORADO DRILLING		TEST #	104179
SO# 057/0114F	SIZE: 4.000X0.330	LOT #	57684
PO# D2013-0060	UPSET: IU	HEAT#:	570837
P#L: 1	GRADE: S135	MFG. PROC.	SMLS
MILL: TSC/C.E. KING	SPEC: API:5DP	HEAT TREAT:	Q&T
	08/01/10	# JTS/LOT :	60
			.7% EUL

### TENSILE TEST

DIMENSIONS (Inches)	AREA (Sq. In.)	YIELD STRENGTH (Lbs/Sq. In.)	TENSILE STRENGTH (Lbs/Sq. In.)	ELONG (IN 2")	ROA (%)
0.363X0.981	0.361	(B) 149500	155800	18.7	56.5
0.509 (BAR DIAM.)		(U) 153800	165900	16.1	60.1

BODY TYPE: LONGITUDINAL STRIP

### TENSILE SPECIMEN HARDNESS M.H.N.s

### UPSET HARDNESS VARIATION

		QUADRANT	1	2
O.D.	35.4			
MID	34.9	O.D. M.H.N.	36.0	35.5
I.D.	35.1	MID M.H.N.	35.4	36.9
		I.D. M.H.N.	36.8	37.2

### CHARPY IMPACT TEST

CHARPY TYPE	IMPACT (ft-lbs)	LATERAL EXPANSION (mils)	FRACTURE (% D/F)
LOCATION: BODY-MID WALL			
TESTED AT +70 °F	60	50	100
SIZE: 10x7.5	62	54	100
ORIENTATION: LONGITUDINAL	60	50	100
AVERAGE	61		

### CHEMICAL PRODUCT ANALYSIS

#	C	Si	Mn	P	S	Cr	Mo	Ni	V	Al	Nb	Sn	Ti	Cu	Ca	B
1	.29	.19	.94	.006	.002	.94	.39	.11	.006	.015	.002	.007	.038	.10	.0007	.0014
2	.29	.19	.94	.007	.002	.93	.39	.11	.006	.015	.002	.007	.037	.10	.0008	.0015

Quality Department

DATE 3/20/13





## CERTIFICATE of COMPLIANCE

QUAD ELDORADO DRILL  
PURCHASE ORDER NUMBER  
D2013-0436

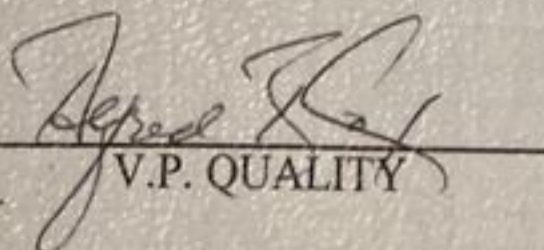
SALES ORDER NUMBER  
057/0116D

SPECIFICATIONS (applicable parts):  
API: 5DP Rev. 1 (08-01-10)

**This hereby certifies that the herein described  
material meets the requirements of the  
above referenced documents.**

QUAD ELDORADO DRILL STRING#: 116D  
SERIAL#s: 001-446

446 JTS., 14,000.5', 4.000, 0.330w, S135, 95% WALL,  
RANGE 2, IU, 4-7/8" x 2-9/16" TOOL JOINTS (2" LTS),  
TSDS-38(ZINC PHOSPHATE ANTI-GALL TREATMENT),  
17,520FT-LB(3X) MAKE & BREAK, DURABAND (PIN,BOX),  
SPA 100 INTERNAL PLASTIC COAT, CLOSED THREAD PROTECTORS  
MAX LENGTH 31.60' MIN LENGTH 30.97' VARIANCE 0.63'

  
V.P. QUALITY

11/12/13  
DATE

## Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0116D

Customer String # 116D

Drill Pipe #	Drill Pipe				Weld-Line										
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint				Box Tool Joint		Weld Lot	Weld Lot	Finished Tally		
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code			Serial #	Heat Code	Test # Pin	Test # Box			
1	46	57819	105060	572202	4	3153	1	F03	264	7139	1	F71	01929	01928	31.33
2	85	57819	105060	572202	7	3153	1	F03	261	7139	1	F71	01929	01928	31.34
3	45	57819	105060	572202	5	3153	1	F03	263	7139	1	F71	01929	01928	31.37
4	107	57819	105060	572202	6	3153	1	F03	262	7139	1	F71	01929	01928	31.43
5	61	57819	105060	572202	8	3153	1	F03	260	3153	1	F03	01929	01928	31.42
6	59	57819	105060	572202	9	3153	1	F03	259	7139	1	F71	01929	01928	31.34
7	63	57819	105060	572202	12	3153	1	F03	255	7139	1	F71	01929	01928	31.39
8	43	57819	105060	572202	14	3153	1	D99	252	7139	1	F71	01929	01928	31.42
9	209	57820	105061	572202	15	3153	1	F03	254	7139	1	F71	01929	01928	31.41
10	109	57819	105060	572202	17	3153	1	F03	257	7139	1	F71	01929	01928	31.37
11	248	57820	105061	572202	16	3153	1	F03	253	3153	1	F03	01929	01928	31.43
12	247	57820	105061	572202	18	3153	1	F03	250	7139	1	F71	01929	01928	31.39
13	438	57822	105063	571538	19	3153	1	D99	249	3153	1	F03	01929	01928	31.43
14	178	57820	105061	572202	20	3153	1	D99	248	7139	1	F71	01929	01928	31.34
15	144	57820	105061	572202	2	3153	1	F03	266	7139	1	F71	01929	01928	31.43
16	20	57819	105060	572202	21	3153	1	D99	247	7139	1	F71	01929	01928	31.39
17	422	57821	105062	572486	3	3153	1	D99	265	7139	1	F71	01929	01928	31.41
18	132	57820	105061	572202	22	3153	1	F03	348	7139	1	F71	01929	01928	31.41
19	148	57820	105061	572202	24	3153	1	F03	346	7139	1	F71	01929	01928	31.39
20	111	57819	105060	572202	25	3153	1	F03	345	7139	1	F71	01929	01928	31.36
21	413	57821	105062	572486	27	3153	1	F03	342	7139	1	F71	01929	01928	31.37
22	404	57821	105062	572486	28	3153	1	F03	273	7139	1	F71	01929	01928	31.33
23	22	57819	105060	572202	29	3153	1	F03	341	7139	1	F71	01929	01928	31.38
24	199	57820	105061	572202	30	3153	1	F03	340	7139	1	F71	01929	01928	31.60
25	73	57819	105060	572202	32	3153	1	D99	337	7139	1	F71	01929	01928	31.36
26	276	57821	105062	572486	31	3153	1	F03	339	7139	1	F71	01929	01928	31.44
27	165	57820	105061	572202	11	3153	1	F03	256	7139	1	F71	01929	01928	31.37
28	215	57820	105061	572202	13	3153	1	D99	251	7139	1	F71	01929	01928	31.41
29	216	57820	105061	572202	34	3153	1	D99	336	7139	1	F71	01929	01928	31.32
30	80	57819	105060	572202	35	3153	1	D99	335	7139	1	F71	01929	01928	31.46
31	136	57820	105061	572202	36	3153	1	F03	334	7139	1	F71	01929	01928	31.38
32	354	57821	105062	572486	33	3153	1	F03	338	7139	1	F71	01929	01928	31.46
33	221	57820	105061	572202	38	3153	1	F03	332	7139	1	F71	01929	01928	31.48
34	118	57819	105060	572202	37	3153	1	F03	333	7139	1	F71	01929	01928	31.37
35	151	57820	105061	572202	39	3153	1	F03	331	7139	1	F71	01929	01928	31.42
36	82	57819	105060	572202	40	3153	1	F03	330	7139	1	F71	01929	01928	31.36
37	106	57819	105060	572202	41	3153	1	F03	329	7139	1	F71	01929	01928	31.38
38	197	57820	105061	572202	43	3153	1	D99	277	7139	1	F71	01929	01928	31.43
39	39	57819	105060	572202	44	3153	1	D99	290	3153	2	F03	01929	01928	31.39
40	225	57820	105061	572202	45	3153	1	F03	292	7139	1	F71	01929	01928	31.36
41	253	57820	105061	572202	46	3153	1	F03	291	7139	1	F71	01929	01928	31.26
42	71	57819	105060	572202	47	3153	1	F03	289	7139	1	F71	01929	01928	31.44
43	74	57819	105060	572202	48	3153	1	F03	288	7139	1	F71	01929	01928	31.39
44	149	57820	105061	572202	49	3153	1	F03	287	7139	1	F71	01929	01928	31.45
45	19	57819	105060	572202	51	3153	1	F03	271	7139	1	F71	01929	01928	31.35
46	258	57820	105061	572202	52	3153	1	F03	274	7139	1	F71	01929	01928	31.33
47	155	57820	105061	572202	53	3153	1	F03	283	7139	1	F71	01929	01928	31.31
48	170	57820	105061	572202	54	3153	1	F03	278	7139	1	F71	01929	01928	31.41
49	208	57820	105061	572202	55	3153	1	F03	285	7139	1	F71	01929	01928	31.38
50	203	57820	105061	572202	56	3153	1	D99	276	7139	1	F71	01929	01928	31.43
51	16	57819	105060	572202	57	3153	1	F03	284	7139	1	F71	01929	01928	31.45
52	231	57820	105061	572202	58	3153	1	F03	282	7139	1	F71	01929	01928	31.44
53	172	57820	105061	572202	59	3153	1	F03	281	7139	1	F71	01929	01928	31.40
54	214	57820	105061	572202	60	3153	1	F03	270	7139	1	F71	01929	01928	31.34
55	186	57820	105061	572202	62	3153	1	F03	275	7139	1	F71	01929	01928	31.40
56	200	57820	105061	572202	63	3153	1	F03	280	7139	1	F71	01929	01928	31.31
57	47	57819	105060	572202	26	3153	1	D99	344	7139	1	F71	01929	01928	31.37
58	230	57820	105061	572202	50	3153	1	F03	286	7139	1	F71	01929	01928	31.36
59	218	57820	105061	572202	42	3153	1	F03	293	3153	2	F03	01929	01928	31.34
60	183	57820	105061	572202	23	3153	1	F03	347	7139	1	F71	01929	01928	31.38
61	100	57819	105060	572202	65	3153	1	F03	268	7139	1	F71	01929	01928	31.32
62	188	57820	105061	572202	66	3153	1	F03	279	7139	1	F71	01929	01928	31.38
63	324	57821	105062	572486	67	3153	1	F03	68	3153	2	E79	01929	01928	31.44
64	219	57820	105061	572202	68	3153	1	F03	67	7139	2	F71	01929	01928	31.44
65	21	57819	105060	572202	69	3153	1	F03	66	3153	2	E79	01929	01928	31.38
66	114	57819	105060	572202	70	3153	1	F03	65	7139	2	F71	01929	01928	31.34
67	162	57820	105061	572202	73	3153	1	F03	62	7139	2	F71	01929	01928	31.36
68	350	57821	105062	572486	72	3153	1	F03	63	3153	1	E79	01929	01928	31.40
69	275	57821	105062	572486	74	3153	1	F03	61	7139	2	F71	01929	01928	31.38
70	429	57821	105062	572486	76	3153	1	F03	59	7139	2	F71	01929	01928	31.47
71	213	57820	105061	572202	61	3153	1	F03	272	7139	1	F71	01929	01928	31.37

Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0116D

Customer String # 116D

Weld-Line

Drill Pipe #	Drill Pipe				Pin Tool Joint				Box Tool Joint		Weld Lot	Weld Lot	Finished Tally		
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Serial #	Heat Code			Serial #	Heat Code	Test # Pin	Test # Box			
72	348	57821	105062	572486	75	3153	1	F03	60	7139	2	F71	01929	01928	31.36
73	395	57821	105062	572486	77	3153	1	F03	58	7139	2	F71	01929	01928	31.45
74	103	57819	105060	572202	10	3153	1	F03	258	7139	1	F71	01929	01928	31.42
75	194	57820	105061	572202	171	3153	1	F03	378	3153	2	F03	01930	01929	31.30
76	140	57820	105061	572202	184	3153	1	F03	363	3153	2	F03	01930	01929	31.37
77	163	57820	105061	572202	185	7139	2	F57	360	3153	2	F03	01930	01929	31.38
78	84	57819	105060	572202	172	3153	1	F03	376	3153	2	F03	01930	01929	31.35
79	185	57820	105061	572202	186	7139	2	F57	350	7139	1	F71	01930	01928	31.38
80	328	57821	105062	572486	187	3153	1	F03	362	3153	2	F03	01930	01929	31.23
81	442	57822	105063	571538	174	7139	2	F57	374	3153	2	F03	01930	01929	30.97
82	101	57819	105060	572202	189	3153	1	F03	384	7139	1	F71	01930	01929	31.46
83	36	57819	105060	572202	188	3153	1	F03	364	3153	2	F03	01930	01929	31.40
84	127	57819	105060	572202	192	7139	2	F57	383	7139	1	F71	01930	01929	31.42
85	122	57819	105060	572202	190	7139	2	F57	386	7139	1	F71	01930	01929	31.41
86	105	57819	105060	572202	191	7139	2	F57	415	7139	1	F71	01930	01929	31.34
87	238	57820	105061	572202	146	7139	1	F57	191	3153	1	F03	01929	01928	31.38
88	65	57819	105060	572202	148	7139	1	F57	187	3153	1	F03	01929	01928	31.37
89	373	57821	105062	572486	150	7139	1	F57	176	3153	1	F03	01929	01928	31.39
90	99	57819	105060	572202	149	7139	1	F57	189	3153	1	F03	01929	01928	31.38
91	141	57820	105061	572202	147	7139	1	F57	188	3153	1	F03	01929	01928	31.38
92	192	57820	105061	572202	153	7139	1	F57	175	3153	2	E79	01930	01928	31.32
93	49	57819	105060	572202	152	7139	1	F57	186	3153	2	E79	01930	01928	31.38
94	69	57819	105060	572202	154	7139	1	F57	185	3153	1	F03	01930	01928	31.40
95	223	57820	105061	572202	155	7139	1	F57	184	3153	1	F03	01930	01928	31.44
96	7	57819	105060	572202	157	7139	1	F57	182	3153	2	E79	01930	01928	31.38
97	371	57821	105062	572486	156	7139	1	F57	181	3153	2	E79	01930	01928	31.45
98	135	57820	105061	572202	158	3153	1	F03	177	7139	2	F71	01930	01928	31.35
99	4	57819	105060	572202	159	3153	1	F03	183	3153	1	F03	01930	01928	31.42
100	207	57820	105061	572202	160	3153	1	F03	180	3153	2	E79	01930	01928	31.40
101	449	57822	105063	571538	161	3153	1	F03	179	3153	1	F03	01930	01928	31.47
102	89	57819	105060	572202	162	3153	1	F03	178	3153	1	F03	01930	01928	31.37
103	333	57821	105062	572486	163	3153	1	F03	157	7139	1	F71	01930	01928	31.42
104	272	57821	105062	572486	164	3153	1	F03	8	3153	2	E79	01930	01928	31.37
105	330	57821	105062	572486	165	3153	1	F03	174	3153	2	E79	01930	01928	31.39
106	161	57820	105061	572202	166	3153	1	F03	171	3153	2	E79	01930	01928	31.38
107	83	57819	105060	572202	127	7139	1	F57	437	3153	1	E79	01929	01929	31.38
108	81	57819	105060	572202	128	7139	1	F57	430	3153	1	E79	01929	01929	31.40
109	356	57821	105062	572486	129	7139	1	F57	436	3153	1	E79	01929	01929	31.39
110	143	57820	105061	572202	130	7139	1	F57	435	7139	1	F71	01929	01929	31.36
111	397	57821	105062	572486	91	7139	1	F57	324	7139	1	F71	01929	01928	31.42
112	232	57820	105061	572202	113	7139	1	F57	450	3153	1	E79	01929	01929	31.48
113	26	57819	105060	572202	131	7139	1	F57	433	7139	1	F71	01929	01929	31.35
114	51	57819	105060	572202	134	7139	1	F57	432	7139	1	F71	01929	01929	31.45
115	316	57821	105062	572486	132	7139	1	F57	434	3153	1	E79	01929	01929	31.43
116	229	57820	105061	572202	135	7139	1	F57	429	7139	1	F71	01929	01929	31.36
117	95	57819	105060	572202	137	7139	1	F57	426	7139	1	F71	01929	01929	31.37
118	102	57819	105060	572202	138	7139	1	F57	425	3153	1	E79	01929	01929	31.36
119	187	57820	105061	572202	140	7139	1	F57	196	3153	1	F03	01929	01928	31.41
120	352	57821	105062	572486	139	7139	1	F57	424	3153	1	E79	01929	01929	31.42
121	405	57821	105062	572486	141	7139	1	F57	194	3153	2	E79	01929	01928	31.38
122	131	57820	105061	572202	143	7139	1	F57	193	3153	2	E79	01929	01928	31.39
123	156	57820	105061	572202	142	7139	1	F57	195	3153	1	F03	01929	01928	31.40
124	363	57821	105062	572486	145	7139	1	F57	190	3153	1	F03	01929	01928	31.41
125	171	57820	105061	572202	144	7139	1	F57	192	3153	1	F03	01929	01928	31.41
126	334	57821	105062	572486	108	7139	1	F57	313	7139	1	F71	01929	01928	31.39
127	119	57819	105060	572202	110	7139	1	F57	311	7139	1	F71	01929	01928	31.41
128	184	57820	105061	572202	107	7139	1	F57	306	7139	1	F71	01929	01928	31.37
129	191	57820	105061	572202	109	7139	1	F57	305	7139	1	F71	01929	01928	31.45
130	94	57819	105060	572202	111	7139	1	F57	308	7139	1	F71	01929	01928	31.39
131	139	57820	105061	572202	112	7139	1	F57	307	7139	1	F71	01929	01928	31.48
132	437	57822	105063	571538	114	7139	1	F57	449	3153	1	E79	01929	01929	31.44
133	252	57820	105061	572202	115	7139	1	F57	448	3153	1	E79	01929	01929	31.50
134	353	57821	105062	572486	116	7139	1	F57	447	3153	2	E79	01929	01929	31.43
135	193	57820	105061	572202	117	7139	1	F57	446	3153	1	E79	01929	01929	31.36
136	291	57821	105062	572486	118	7139	1	F57	445	3153	1	E79	01929	01929	31.41
137	205	57820	105061	572202	119	7139	1	F57	444	7139	1	F71	01929	01929	31.33
138	360	57821	105062	572486	120	7139	1	F57	443	7139	1	F71	01929	01929	31.42
139	351	57821	105062	572486	123	7139	1	F57	440	3153	2	E79	01929	01929	31.43
140	417	57821	105062	572486	122	7139	1	F57	441	3153	2	E79	01929	01929	31.44
141	180	57820	105061	572202	124	7139	1	F57	439	3153	2	E79	01929	01929	31.38
142	297	57821	105062	572486	125	7139	1	F57	438	3153	1	E79	01929	01929	31.35

# Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0116D

Customer String # 116D

Drill Pipe #	Drill Pipe				Weld-Line										
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint			Box Tool Joint			Weld Lot	Weld Lot	Finished Tally		
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code		Serial #	Heat Code		Test # Pin	Test # Box			
143	98	57819	105060	572202	126	7139	1	F57	431	7139	1	F71	01929	01929	31.40
144	240	57820	105061	572202	121	7139	1	F57	442	3153	2	E79	01929	01929	31.37
145	40	57819	105060	572202	90	7139	1	F57	325	7139	1	F71	01929	01928	31.42
146	138	57820	105061	572202	89	7139	2	F57	327	7139	1	F71	01929	01928	31.38
147	78	57819	105060	572202	92	7139	1	F57	323	7139	1	F71	01929	01928	31.39
148	255	57820	105061	572202	93	7139	1	F57	322	7139	1	F71	01929	01928	31.38
149	277	57821	105062	572486	94	7139	1	F57	321	7139	1	F71	01929	01928	31.37
150	440	57822	105063	571538	95	7139	1	F57	314	7139	1	F71	01929	01928	31.50
151	12	57819	105060	572202	96	7139	1	F57	320	7139	1	F71	01929	01928	31.35
152	52	57819	105060	572202	97	7139	1	F57	295	7139	1	F71	01929	01928	31.38
153	281	57821	105062	572486	98	3153	2	F03	319	7139	1	F71	01929	01928	31.42
154	137	57820	105061	572202	99	7139	1	F57	318	7139	1	F71	01929	01928	31.37
155	13	57819	105060	572202	100	7139	1	F57	312	7139	1	F71	01929	01928	31.36
156	44	57819	105060	572202	101	7139	1	F57	309	7139	1	F71	01929	01928	31.40
157	24	57819	105060	572202	102	7139	1	F57	317	7139	1	F71	01929	01928	31.36
158	391	57821	105062	572486	103	7139	1	F57	310	7139	1	F71	01929	01928	31.39
159	31	57819	105060	572202	104	7139	1	F57	316	7139	1	F71	01929	01928	31.33
160	8	57819	105060	572202	105	7139	1	F57	304	7139	1	F71	01929	01928	31.41
161	56	57819	105060	572202	106	7139	1	F57	315	7139	1	F71	01929	01928	31.38
162	198	57820	105061	572202	79	7139	1	F57	56	3153	2	E79	01929	01928	31.39
163	446	57822	105063	571538	80	7139	1	F57	55	3153	1	E79	01929	01928	31.48
164	166	57820	105061	572202	81	7139	1	F57	54	3153	1	E79	01929	01928	31.37
165	385	57821	105062	572486	82	7139	1	F57	52	3153	1	E79	01929	01928	31.52
166	399	57821	105062	572486	83	7139	2	F57	51	3153	2	E79	01929	01928	31.47
167	416	57821	105062	572486	84	7139	1	F57	53	3153	2	E79	01929	01928	31.47
168	273	57821	105062	572486	85	7139	1	F57	50	3153	2	E79	01929	01928	31.48
169	9	57819	105060	572202	86	7139	1	F57	49	3153	2	E79	01929	01928	31.36
170	295	57821	105062	572486	87	3153	1	F03	57	7139	2	F71	01929	01928	31.39
171	182	57820	105061	572202	88	7139	1	F57	328	7139	1	F71	01929	01928	31.38
172	381	57821	105062	572486	88	7139	1	F57	326	7139	1	F71	01929	01928	31.41
173	154	57820	105061	572202	229	3153	2	F03	239	3153	1	F03	01930	01928	31.39
174	227	57820	105061	572202	230	3153	2	F03	219	3153	1	F03	01930	01928	31.37
175	195	57820	105061	572202	231	3153	2	F03	238	7139	1	F71	01930	01928	31.36
176	2	57819	105060	572202	233	7139	1	F57	236	3153	1	F03	01930	01928	31.42
177	152	57820	105061	572202	232	7139	1	F57	237	3153	1	E79	01930	01928	31.45
178	400	57821	105062	572486	235	3153	2	F03	234	3153	1	F03	01930	01928	31.43
179	365	57821	105062	572486	234	7139	1	F57	235	3153	1	F03	01930	01928	31.39
180	279	57821	105062	572486	237	3153	2	F03	233	3153	2	F03	01930	01928	31.45
181	327	57821	105062	572486	236	7139	1	F57	229	3153	1	F03	01930	01928	31.39
182	456	57822	105063	571538	266	7139	1	F57	119	7139	2	F71	01930	01928	31.40
183	67	57819	105060	572202	304	7139	2	F57	354	7139	1	F71	01930	01929	31.34
184	368	57821	105062	572486	306	3153	1	F03	353	7139	1	F71	01930	01929	31.44
185	389	57821	105062	572486	267	3153	1	D99	122	3153	1	E79	01930	01928	31.38
186	53	57819	105060	572202	307	3153	1	F03	401	7139	1	F71	01930	01929	31.38
187	337	57821	105062	572486	268	7139	1	F57	121	7139	2	F71	01930	01928	31.44
188	14	57819	105060	572202	305	3153	1	F03	355	7139	1	F71	01930	01929	31.39
189	146	57820	105061	572202	271	7139	1	F57	302	7139	1	F71	01930	01928	31.38
190	60	57819	105060	572202	269	7139	1	F57	303	7139	1	F71	01930	01928	31.36
191	461	57822	105063	571538	270	7139	2	F57	141	3153	1	E79	01930	01928	31.49
192	33	57819	105060	572202	216	7139	2	F57	391	7139	1	F71	01930	01929	31.39
193	29	57819	105060	572202	217	7139	2	F57	377	3153	1	E79	01930	01929	31.41
194	92	57819	105060	572202	219	3153	2	F03	389	7139	1	F71	01930	01929	31.41
195	37	57819	105060	572202	220	3153	2	F03	385	7139	1	F71	01930	01929	31.47
196	15	57819	105060	572202	222	7139	1	F57	413	7139	1	F71	01930	01929	31.37
197	282	57821	105062	572486	223	3153	2	F03	388	7139	1	F71	01930	01929	31.46
198	115	57819	105060	572202	221	7139	1	F57	387	7139	1	F71	01930	01929	31.37
199	23	57819	105060	572202	226	7139	1	F57	242	3153	1	F03	01930	01928	31.31
200	448	57822	105063	571538	225	7139	1	F57	243	7139	1	F71	01930	01928	31.42
201	28	57819	105060	572202	64	3153	1	F03	269	7139	1	F71	01929	01928	31.26
202	217	57820	105061	572202	224	3153	2	F03	244	3153	1	F03	01930	01928	31.28
203	256	57820	105061	572202	245	7139	1	F57	230	3153	1	F03	01930	01928	31.35
204	246	57820	105061	572202	246	7139	1	F57	225	3153	1	F03	01930	01928	31.47
205	393	57821	105062	572486	248	3153	1	D99	220	3153	1	F03	01930	01928	31.41
206	343	57821	105062	572486	247	7139	1	F57	223	3153	1	F03	01930	01928	31.46
207	421	57821	105062	572486	249	7139	1	F57	222	3153	1	F03	01930	01928	31.46
208	362	57821	105062	572486	250	7139	1	F57	224	3153	2	F03	01930	01928	31.44
209	452	57822	105063	571538	227	3153	1	D99	241	3153	2	F03	01930	01928	31.47
210	280	57821	105062	572486	228	3153	2	F03	240	3153	1	F03	01930	01928	31.40
211	265	57821	105062	572486	218	7139	1	F57	390	7139	1	F71	01930	01929	31.45
212	116	57819	105060	572202	197	7139	2	F57	421	3153	1	E79	01930	01929	31.36
213	55	57819	105060	572202	198	7139	2	F57	416	7139	1	F71	01930	01929	31.37

## Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0116D

Customer String # 116D

Drill Pipe #	Drill Pipe				Weld-Line										
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint				Box Tool Joint				Weld Lot	Weld Lot	Finished Tally
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code			Serial #	Heat Code			Test # Pin	Test # Box	
285	402	57821	105062	572486	300	3153	1	F03	358	3153	2	F03	01930	01929	31.38
286	450	57822	105063	571538	260	7139	1	F57	123	3153	1	E79	01930	01928	31.42
287	158	57820	105061	572202	301	7139	2	F57	359	3153	2	F03	01930	01929	31.35
288	394	57821	105062	572486	261	7139	1	F57	126	7139	2	F71	01930	01928	31.41
289	201	57820	105061	572202	302	7139	2	F57	357	3153	2	F03	01930	01929	31.36
290	396	57821	105062	572486	265	7139	1	F57	118	7139	2	F71	01930	01928	31.42
291	425	57821	105062	572486	303	3153	2	F03	356	7139	1	F71	01930	01929	31.42
292	93	57819	105060	572202	133	7139	1	F57	428	3153	1	E79	01929	01929	31.40
293	392	57821	105062	572486	264	7139	1	F57	120	7139	2	F71	01930	01928	31.27
294	358	57821	105062	572486	282	3153	1	D99	298	7139	1	F71	01930	01928	31.40
295	58	57819	105060	572202	278	7139	2	F57	299	7139	1	F71	01930	01928	31.37
296	112	57819	105060	572202	279	7139	1	F57	137	7139	2	F71	01930	01928	31.39
297	443	57822	105063	571538	283	7139	1	F57	134	7139	2	F71	01930	01928	31.37
298	196	57820	105061	572202	284	7139	1	F57	153	3153	2	E79	01930	01928	31.44
299	104	57819	105060	572202	327	3153	1	F03	161	7139	2	F71	01930	01928	31.34
300	86	57819	105060	572202	319	3153	1	F03	163	3153	2	E79	01930	01928	31.37
301	299	57821	105062	572486	326	3153	1	F03	133	7139	2	F71	01930	01928	31.39
302	42	57819	105060	572202	299	3153	1	F03	361	3153	2	F03	01930	01929	31.37
303	315	57821	105062	572486	263	7139	1	F57	124	7139	2	F71	01930	01928	31.31
304	108	57819	105060	572202	253	3153	1	D99	296	7139	1	F71	01930	01928	31.42
305	244	57820	105061	572202	285	7139	2	F57	152	7139	2	F71	01930	01928	31.38
306	304	57821	105062	572486	280	7139	1	F57	128	7139	2	F71	01930	01928	31.37
307	310	57821	105062	572486	262	3153	2	F03	125	3153	1	E79	01930	01928	31.39
308	87	57819	105060	572202	286	7139	1	F57	151	7139	1	F71	01930	01928	31.35
309	179	57820	105061	572202	287	7139	1	F57	150	3153	1	F03	01930	01928	31.38
310	202	57820	105061	572202	275	7139	1	F57	300	3153	2	F03	01930	01928	31.24
311	332	57821	105062	572486	290	7139	1	F57	148	7139	1	F71	01930	01928	31.39
312	380	57821	105062	572486	320	3153	1	F03	173	3153	1	F03	01930	01928	31.43
313	406	57821	105062	572486	289	7139	2	F57	147	7139	2	F71	01930	01928	31.08
314	75	57819	105060	572202	291	7139	1	F57	146	7139	1	F71	01930	01928	31.36
315	339	57821	105062	572486	292	7139	2	F57	145	7139	1	F71	01930	01928	31.36
316	206	57820	105061	572202	288	7139	1	F57	149	7139	2	F71	01930	01928	31.40
317	228	57820	105061	572202	322	3153	1	F03	164	3153	2	E79	01930	01928	31.38
318	386	57821	105062	572486	293	7139	1	F57	144	7139	2	F71	01930	01928	31.27
319	415	57821	105062	572486	256	7139	1	F57	132	3153	1	E79	01930	01928	31.37
320	431	57821	105062	572486	323	3153	1	F03	143	3153	1	E79	01930	01928	31.37
321	110	57819	105060	572202	258	7139	1	F57	130	7139	2	F71	01930	01928	31.44
322	233	57820	105061	572202	325	3153	3	F03	165	3153	1	F03	01930	01928	31.39
323	190	57820	105061	572202	273	7139	1	F57	301	7139	1	F71	01930	01928	31.37
324	403	57821	105062	572486	444	7139	1	F57	71	7139	2	F71	01930	01928	31.28
325	462	57822	105063	571538	272	7139	2	F57	140	7139	2	F71	01930	01928	31.42
326	268	57821	105062	572486	274	7139	1	F57	138	7139	2	F71	01930	01928	31.43
327	409	57821	105062	572486	239	3153	3	F03	80	7139	2	F71	01930	01928	31.41
328	257	57820	105061	572202	240	7139	1	F57	231	3153	1	F03	01930	01928	31.29
329	263	57821	105062	572486	243	7139	1	F57	226	3153	1	F03	01930	01928	31.40
330	264	57821	105062	572486	242	3153	1	D99	228	3153	1	F03	01930	01928	31.38
331	121	57819	105060	572202	244	7139	1	F57	217	3153	1	F03	01930	01928	31.35
332	283	57821	105062	572486	241	7139	1	F57	227	3153	1	F03	01930	01928	31.41
333	384	57821	105062	572486	294	7139	1	F57	142	3153	1	E79	01930	01928	31.39
334	117	57819	105060	572202	254	7139	1	F57	294	3153	2	F03	01930	01928	31.39
335	434	57822	105063	571538	297	3153	1	F03	343	7139	2	F71	01930	01928	31.36
336	242	57820	105061	572202	257	7139	1	F57	131	7139	2	F71	01930	01928	31.40
337	64	57819	105060	572202	298	7139	1	F57	349	7139	1	F71	01930	01928	31.38
338	211	57820	105061	572202	252	7139	1	F57	221	3153	1	F03	01930	01928	31.44
339	382	57821	105062	572486	251	7139	1	F57	218	3153	1	F03	01930	01928	31.32
340	377	57821	105062	572486	441	3153	1	D99	76	7139	2	F71	01930	01928	31.42
341	274	57821	105062	572486	410	7139	1	F57	95	7139	2	F71	01930	01928	31.43
342	168	57820	105061	572202	438	7139	1	F57	72	3153	2	E79	01930	01928	31.37
343	374	57821	105062	572486	411	7139	1	F57	99	7139	2	F71	01930	01928	31.43
344	423	57821	105062	572486	423	7139	1	F57	81	7139	2	F71	01930	01928	31.38
345	464	57822	105063	571538	407	7139	1	F57	102	7139	2	F71	01930	01928	31.44
346	290	57821	105062	572486	424	7139	1	F57	79	7139	2	F71	01930	01928	31.45
347	289	57821	105062	572486	415	7139	1	F57	96	7139	2	F71	01930	01928	31.34
348	41	57819	105060	572202	447	7139	1	F57	112	7139	2	F71	01930	01928	31.26
349	164	57820	105061	572202	1	3153	1	F03	267	7139	1	F71	01929	01928	31.42
350	340	57821	105062	572486	431	7139	1	F57	93	7139	2	F71	01930	01928	31.49
351	241	57820	105061	572202	432	7139	1	F57	92	7139	2	F71	01930	01928	31.35
352	278	57821	105062	572486	413	7139	1	F57	97	7139	2	F71	01930	01928	31.42
353	321	57821	105062	572486	433	7139	1	F57	91	7139	2	F71	01930	01928	31.39
354	349	57821	105062	572486	403	7139	1	F57	105	7139	2	F71	01930	01928	31.42
355	260	57820	105061	572202	434	7139	1	F57	90	7139	2	F71	01930	01928	31.38

**Texas Steel Conversion, Inc. Drill Pipe Traceability Log**

Shop Order # 057/0116D

Customer String # 116D

DP# Drill Pipe #	Drill Pipe				Weird-Line								Finished Tally
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint			Box Tool Joint			Weld Lot	Weld Lot	
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code	Serial #	Heat Code	Serial #	Heat Code	Test # Pin	Test # Box	
356	306	57821	105062	572486	436	7139 1	F57	88	7139 2	F71	01930	01928	31.36
357	430	57821	105062	572486	435	3153 1	D99	89	7139 2	F71	01930	01928	31.46
358	298	57821	105062	572486	442	7139 1	F57	116	7139 2	F71	01930	01928	31.36
359	439	57822	105063	571538	443	3153 1	D99	75	7139 2	F71	01930	01928	31.44
360	243	57820	105061	572202	446	7139 1	F57	70	3153 2	E79	01930	01928	31.38
361	267	57821	105062	572486	404	7139 1	F57	104	7139 2	F71	01930	01928	31.44
362	341	57821	105062	572486	408	3153 1	F03	101	7139 2	F71	01930	01928	31.41
363	451	57822	105063	571538	401	7139 1	F57	107	7139 2	F71	01930	01928	31.44
364	367	57821	105062	572486	406	7139 1	F57	100	7139 2	F71	01930	01928	31.37
365	285	57821	105062	572486	402	7139 1	F57	106	7139 2	F71	01930	01928	31.35
366	338	57821	105062	572486	419	7139 1	F57	85	7139 2	F71	01930	01928	31.38
367	293	57821	105062	572486	405	7139 1	F57	103	3153 1	E79	01930	01928	31.34
368	262	57821	105062	572486	409	7139 1	F57	98	7139 2	F71	01930	01928	31.36
369	357	57821	105062	572486	422	7139 1	F57	82	3153 1	E79	01930	01928	31.38
370	177	57820	105061	572202	429	7139 1	F57	110	7139 2	F71	01930	01928	31.35
371	455	57822	105063	571538	430	7139 1	F57	109	7139 2	F71	01930	01928	31.48
372	319	57821	105062	572486	381	7139 1	F57	9	3153 1	E79	01930	01928	31.40
373	428	57821	105062	572486	385	7139 1	F57	27	3153 2	E79	01930	01928	31.40
374	126	57819	105060	572202	387	7139 1	F57	25	3153 1	E79	01930	01928	31.35
375	454	57822	105063	571538	383	7139 1	F57	7	3153 1	E79	01930	01928	31.42
376	96	57819	105060	572202	386	7139 1	F57	26	3153 2	E79	01930	01928	31.37
377	463	57822	105063	571538	390	7139 1	F57	22	3153 1	E79	01930	01928	31.39
378	346	57821	105062	572486	382	7139 1	F57	4	3153 2	E79	01930	01928	31.42
379	432	57822	105063	571538	389	7139 1	F57	23	3153 1	E79	01930	01928	31.46
380	311	57821	105062	572486	445	7139 1	F57	74	7139 2	F71	01930	01928	31.41
381	364	57821	105062	572486	412	7139 1	F57	94	7139 2	F71	01930	01928	31.41
382	313	57821	105062	572486	416	7139 1	F57	154	7139 1	F71	01930	01928	31.44
383	401	57821	105062	572486	414	7139 1	F57	155	7139 2	F71	01930	01928	31.44
384	426	57821	105062	572486	417	7139 1	F57	87	7139 2	F71	01930	01928	31.41
385	359	57821	105062	572486	420	7139 1	F57	83	7139 2	F71	01930	01928	31.41
386	25	57819	105060	572202	440	7139 1	F57	73	7139 2	F71	01930	01928	31.37
387	355	57821	105062	572486	418	7139 1	F57	86	7139 2	F71	01930	01928	31.44
388	174	57820	105061	572202	421	7139 1	F57	84	3153 2	E79	01930	01928	31.38
389	150	57820	105061	572202	370	3153 2	F03	45	7139 2	F71	01930	01928	31.38
390	296	57821	105062	572486	395	7139 1	F57	18	3153 2	E79	01930	01928	31.42
391	418	57821	105062	572486	399	7139 1	F57	2	3153 2	E79	01930	01928	31.35
392	153	57820	105061	572202	396	7139 1	F57	12	3153 1	E79	01930	01928	31.35
393	323	57821	105062	572486	369	3153 2	F03	46	3153 2	E79	01930	01928	31.44
394	259	57820	105061	572202	367	3153 2	F03	48	3153 2	E79	01930	01928	31.37
395	318	57821	105062	572486	398	7139 1	F57	3	3153 1	E79	01930	01928	31.48
396	410	57821	105062	572486	368	3153 2	F03	47	7139 2	F71	01930	01928	31.39
397	388	57821	105062	572486	376	7139 1	F57	39	3153 2	E79	01930	01928	31.45
398	189	57820	105061	572202	339	3153 1	F03	210	3153 1	F03	01930	01928	31.45
399	300	57821	105062	572486	388	7139 1	F57	24	3153 1	E79	01930	01928	31.38
400	361	57821	105062	572486	392	7139 1	F57	20	3153 2	E79	01930	01928	31.36
401	366	57821	105062	572486	378	7139 1	F57	38	3153 2	E79	01930	01928	31.40
402	224	57820	105061	572202	393	7139 1	F57	19	3153 2	E79	01930	01928	31.43
403	210	57820	105061	572202	400	7139 1	F57	108	7139 2	F71	01930	01928	31.39
404	237	57820	105061	572202	391	7139 1	F57	21	3153 1	E79	01930	01928	31.40
405	303	57821	105062	572486	372	3153 2	F03	43	3153 2	E79	01930	01928	31.39
406	331	57821	105062	572486	373	3153 2	F03	42	3153 2	E79	01930	01928	31.37
407	345	57821	105062	572486	377	7139 1	F57	30	3153 1	E79	01930	01928	31.38
408	254	57820	105061	572202	371	3153 3	F03	44	7139 2	F71	01930	01928	31.47
409	1	57819	105060	572202	375	7139 1	F57	40	7139 2	F71	01930	01928	31.32
410	17	57819	105060	572202	374	7139 1	F57	41	3153 2	E79	01930	01928	31.37
411	68	57819	105060	572202	449	7139 1	F57	117	7139 2	F71	01930	01928	31.40
412	18	57819	105060	572202	173	3153 1	F03	375	3153 2	F03	01930	01929	31.28
413	308	57821	105062	572486	425	7139 1	F57	115	7139 2	F71	01930	01928	31.40
414	420	57821	105062	572486	448	7139 1	F57	69	7139 2	F71	01930	01928	31.40
415	376	57821	105062	572486	426	7139 1	F57	114	7139 2	F71	01930	01928	31.41
416	424	57821	105062	572486	439	7139 1	F57	77	7139 2	F71	01930	01928	31.42
417	320	57821	105062	572486	427	7139 1	F57	111	7139 2	F71	01930	01928	31.42
418	120	57819	105060	572202	428	7139 1	F57	113	7139 2	F71	01930	01928	31.39
419	312	57821	105062	572486	437	3153 1	F03	78	7139 2	F71	01930	01928	31.44
420	445	57822	105063	571538	384	7139 1	F57	6	3153 1	E79	01930	01928	31.45
421	271	57821	105062	572486	353	3153 3	F03	15	3153 2	E79	01930	01928	31.39
422	441	57822	105063	571538	354	3153 2	F03	33	3153 2	E79	01930	01928	31.43
423	309	57821	105062	572486	352	3153 2	F03	16	3153 1	E79	01930	01928	31.41
424	204	57820	105061	572202	356	3153 3	F03	32	3153 2	E79	01930	01928	31.30
425	307	57821	105062	572486	357	3153 2	F03	13	3153 2	E79	01930	01928	31.46
426	325	57821	105062	572486	355	3153 2	F03	14	3153 1	E79	01930	01928	31.37

## Texas Steel Conversion, Inc. Drill Pipe Traceability Log

Shop Order # 057/0116D

Customer String # 116D

Drill Pipe #	Drill Pipe				Weld-Line								Finished Tally		
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	Pin Tool Joint				Box Tool Joint					Weld Lot	Weld Lot
	Joint Serial #	Lot #	TSC Test #	Heat #	Serial #	Heat Code			Serial #	Heat Code				Test # Pin	Test # Box
427	287	57821	105062	572486	351	3153	2	F03	197	3153	1	F03	01930	01928	31.35
428	408	57821	105062	572486	358	3153	1	F03	34	3153	2	E79	01930	01928	31.40
429	176	57820	105061	572202	359	3153	2	F03	35	3153	2	E79	01930	01928	31.33
430	35	57819	105060	572202	361	3153	1	F03	29	3153	2	E79	01930	01928	31.40
431	436	57822	105063	571538	362	3153	2	F03	28	3153	2	E79	01930	01928	31.46
432	269	57821	105062	572486	346	3153	2	F03	200	3153	1	F03	01930	01928	31.39
433	292	57821	105062	572486	363	3153	2	F03	5	3153	1	E79	01930	01928	31.38
434	239	57820	105061	572202	340	3153	1	F03	206	3153	1	F03	01930	01928	31.36
435	398	57821	105062	572486	338	3153	1	F03	209	3153	1	F03	01930	01928	31.38
436	261	57820	105061	572202	334	3153	2	F03	212	3153	1	F03	01930	01928	31.38
437	379	57821	105062	572486	397	7139	1	F57	10	3153	1	E79	01930	01928	31.42
438	447	57822	105063	571538	360	3153	2	F03	31	3153	2	E79	01930	01928	31.47
439	336	57821	105062	572486	394	7139	1	F57	17	3153	1	E79	01930	01928	31.41
440	235	57820	105061	572202	365	3153	2	F03	246	7139	1	F71	01930	01928	31.34
441	301	57821	105062	572486	343	3153	2	F03	207	3153	1	F03	01930	01928	31.34
442	70	57819	105060	572202	335	3153	1	F03	214	3153	1	F03	01930	01928	31.38
443	226	57820	105061	572202	336	3153	1	F03	211	3153	1	F03	01930	01928	31.35
444	175	57820	105061	572202	366	3153	2	F03	245	7139	1	F71	01930	01928	31.34
445	444	57822	105063	571538	364	3153	2	F03	11	3153	2	E79	01930	01928	31.44
446	294	57821	105062	572486	337	3153	2	F03	213	3153	1	F03	01930	01928	31.36

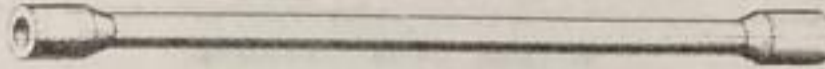
57821      57820      57819      57822  
 57820      57821      57822      57821  
 57821      57820      57821      57820  
 57822      57821      57822      57821  
 57821      57820      57821      57820

3153      7139      3153      7139  
 3153      7139      3153      7139  
 3153      7139      3153      7139  
 3153      7139      3153      7139  
 3153      7139      3153      7139

F03      E79      F03      E79  
 F03      E79      F03      E79  
 F03      E79      F03      E79  
 F03      E79      F03      E79  
 F03      E79      F03      E79

01930      01928      01930      01928  
 01930      01928      01930      01928  
 01930      01928      01930      01928  
 01930      01928      01930      01928  
 01930      01928      01930      01928

# TEXAS STEEL CONVERSION, INC.



MANUFACTURER/PROCESSOR OF OIL COUNTRY TUBULAR GOODS

## MATERIAL CERTIFICATION

Herein described material has been manufactured or processed, sampled, tested, inspected in accordance with the applicable API specifications and sales order requirements and meets the requirements for the grade indicated.

CUSTOMER: TSC DRILL PIPE/  
QUAD ELDORADO DRILL

SO# 057/0116D

SIZE: 4.000x0.330

GRADE : S135

HEAT TREAT : Q&T

END: IU

PO# D2013-0436

MILL: TSC/C.E. KING

MFG. PROC.: SMLS

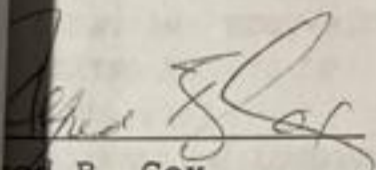
SPEC: API:5DP

(Latest Edition)

1

TEST#	# JTS	HEAT #	LOT #
105060	130	572202	057819
105061	131	572202	057820
105062	170	572486	057821
105063	33	571538	057822

	C	Si	Mn	P	S	Cr	Mo	Ni	V	Al	Nb	Sn	Ti	Cu	Ca	B
12	.27	.21	.87	.005	.002	.93	.39	.11	.005	.034	.001	.009	.038	.12		.0014
16	.26	.20	.89	.007	.001	.94	.40	.09	.004	.034	.001	.009	.032	.13		.0018
18	.27	.18	.88	.006	.003	.94	.39	.09	.005	.035	.001	.009	.035	.13		.0013

  
Ed B. Cox  
Quality

11/12/13  
DATE



3101 HOLMES ROAD • HOUSTON, TEXAS 77051-1199 • (713)733-6013 • FAX (713)733-9248

License # SCT-0207  
License # SCT-0207 1  
License # SDP-0092  
License # SDP-0070  
License # 7-1-0829





DRILL PIPE INSPECTION SUMMARY

THIS IS NOT AN INVOICE

P.O. Box 218 • Woodward, OK 73802  
Office: (580) 256-5738 • Fax: (580) 256-9238

DATE 5-21-14 FIELD INVOICE # W-1505  
OIL CO. JEC operating INSPECTOR Cody Thompson  
LEASE Palme 1-35  
DRILLING CO. Logan Eldorado RIG NO. 2  
259 Total Description: 4" x 5135 x 14.00" x Runy 2

255 Premium (Ready to Drill) 0 Connections Field Refaced  
(Class 2P) Pins Boxes

4 Premium (Field Repairable) 0/2 Pins/Boxes Needing Lathe Refaced  
(Class 2P) 2 Need Tool Joint Hard Banding  
Need Straightened

0 Premium (Shop Repairable) Pins Needing Recut  
(Class 2P) Boxes Needing Recut

0 Premium (Non-Repairable) Pins w/Short Tong Space or OD Wear  
(Class 2P) Boxes w/Short Tong Space or OD Wear

- 0 Class 2 - Yellow Band Reason: \_\_\_\_\_
- 0 Class 3 - Orange Band Reason: \_\_\_\_\_
- 0 Class 4 - Red Band Reason: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Plastic Coating Condition: Excellent  Good  Fair  Poor

C.C.I. SERVICES, INC.  
10645 S. W. 59TH  
MUSTANG, OK 73064  
TELE. 405-376-0181

### CORROSION TEST REPORT

DATE 3/26/15

OPERATOR CROWN

CONTRACTOR- LOGAN 2

REPORTS FOR

LEASE NO. LETA 11-12

FIELD CO. PAYNE STATE OK

SURFACE CASING

TYPE DRILLING FLUID- Native/L.S.N.D.../TREATED.

FIRST INTERMEDIATE CASING

SUCTION PUMP OUTPUT

DRILLING LINER

DEPTH IN- 5279' OUT- 8010'

PRODUCTION LINER

TOTAL MUD VOLUME

---

Coupon Number (N3506):

Date Installed 3/19/15

Exposure No. ( 3 ):

Date Removed 3/25/15

Hours Exposed 144 Hrs

Corrosion Rate 1.71 LB./FT<sup>2</sup>/YR

Corrosion Rate 42.066 MPY

H<sub>2</sub>S Presence NEG

Corrosion Type GENERAL

Coupon Deposit Analysis

Appearance: GOOD

Corrosion Chemicals In Use: CC-110

(1) Calcium Carbonate NEG.

(2) Iron Carbonate NEG.

(3) Iron Sulfide NEG.

(4) Magnetite NEG.

(5) Organic Compounds NEG.

(6) Other

LOCATION OF RING: SAVER-SUB -3½" IF

Discussion: RATES ARE WITHIN GENERALLY ACCEPTED LIMITS.

Note: Generally accepted rate limits are usually under 2 lb/Sq. Ft. 49.200 Mil/Yr. or lower.

ENGINEER- CRYSTAL DEREBERY/CCI

ANALYZED - J.M.



# DRILL PIPE INSPECTION SUMMARY

Date: 3/22/2019 to \_\_\_\_\_

Customer	MACH RESOURCES	Inspected at	RIG LOCATION
Rig Name	QUAD 1	Inspection Unit	3
Well Location	ALVA	Job Spec	DS-1 CAT4
Customer Order #	0	Inspected By	1 JOHN SIMON 3
			2 4

	Inches		Inches		Inches	Manufacturing Dates	
Pipe Size	4"	New TJ OD		Max Ctbr Dia	4.101	1	10
Weight	14LB	Min TJ OD	4.688	Min Ctbr Len		2	11
Grade	S-135	Min Box Shld	0.25	Max Pn Flt Len		3	12
Connection	DS-38	Min Seal Wd		Min Box Len		4	13
Range	2	Bevel Diam		Min Box TS	5.44	5	14
Nom. Wall	0.33	New TJ Bore		Min Pin Len		6	15
90% Wall				Min Pin TS	4	7	16
80% Wall	0.264			Drift Size		8	17
70% Wall						9	18

TOTAL JOINTS INSPECTED 306

### TUBES & TOOL JOINTS

Tubes		Downgraded Tool Joints	Downgraded Joints' SNs
Premium	296	Pins	
Yellow	9	Boxes	
Orange	0		
Red	1		
Total downgraded joints (Final Class)		10	

### MACHINE SHOP REPAIRS

Connections	Damage	Reface	Crooked		Hardbands	
Pins	27	22	Bowed	4	Pins	
Boxes	33	26	Hooked		Boxes	29
			Cork Screwed			
TOTALS				4		29

WORK READY JOINTS 238

JOINTS NEEDING MACHINE SHOP REPAIR 58

DOWNGRADED JOINTS (NOT TO BE USED) 10

### COMMENTS:

