

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'

的人们在1993年1月27日1月1日,1月1日日,1月1日,1月1日,1月1日。

-	-		Dri	Shop Orde	or# 057/0114	F		1			er String # 5-Line	114			1	1
100	P. He	at Tread		Heat Trea	at Pipe Mill	Pi	n Tool Joir	nt		Box To	thioL for		Weld Lot	Weld Lo	the second second second	
Pipe	100	Joint		TSC	manan	1	Nisses	-	1200	. 1	Harrison		Test# Pin	Test# Box	Finished	
		enial#	Lot #	Test# 104179	Heat # 570837	Serial # 131	the second s	Code 3 F02	Serial I		Heat Code 153 1	E79	Pin 1845	01846	31.46	
	1	80	57684 57684	104179	570837	132	3153	3 F03	2	21 31	153 1	E79	184	5 01846		-
	2	118	57685	104180	571506	133	the second second	3 F03			153 1	E79 E79	184	and the second se		
	4	208	57686	104181 104178	571539	269	and the state of the	2 F03 2 F03			153 1 153 1	E79	184	5 0184	6 31.47	
	5	21	57683 57683	104178	571127	25	3153	2 F03	3 1	83 3	153 1	F03	184	part of the local division of the local divi	and the second se	
	7	137	57685	104180	571506	34	3153	2 F03			153 1	E79 E79		and the second se	and the local division of the local division	
	8	48	57683	104178	571127 570837	108	and the second se	3 F03			153 1	E79		the same party of the local division of	16 31.4	8
	9	71	57684 57684	104179	570837	107		3 F0	3 2	274 3	153 1	E79		and the second se		
		101	57684	104179	570837	134		3 F0			153 1	E79			the second se	
1	and the second se		57685	104180	571506	136	the second se	3 F0			3153 1 3153 2	E79		45 018	Concession of the local division of the second division of the secon	
1			57683 57684	104178 104179	570837	138		3 F0			3153 1	E7	9 18	45 018	And and a state of the local division of the	Children and Chi
1			57684	104179	570837	135	3153	3 F0		the state of the s	3153 1	E7		45 018	and the second se	and a second
10			57685	104180	571506	141	and the second se	3 F0			<u>3153 1</u> 3153 1	E7 E7		and the second se	346 31	
17	1		57685	104180	571506 571539	139		3 F0 3 F0			3153 1 3153 1	E7	A. No. of Concession, Name	845 01	846 31	46
18			57686	104181	571539	143		3 F0		266 3	3153 1	E7	9 1	the state of the s	the second s	.38
20	-	162 5	57686	104181	571539	146	3153	3 F0	3	the second se	3153 1	E7	and the owner water water water	and the second se		.55
21		70 5	57684	104179	570837	113		3 F0			3153 1 3153 1	E7 E7	_	a longer and a subscription of		1.52
22			7685	104180	571506	112		3 F0 3 F0	No. of Concession, Name		3153 2	F		845 01	1846 3	1.44
23 24			7684	104179 104180	570837 571506	23	the second s	2 FC			3153 1	F	03 1	845 0	Contraction of the local division of the loc	1.33
25	1		7683	104178	571127	129	3153	3 FC	3	292	3153 2			and the second division of the	And in case of the local division in which the local division in which the local division in the local divisio	1.50
26	12.00	49 5	7683	104178	571127	130	3153	3 FC		the second s	3153 2			the second se	and the second sec	1.43
27	E R	CALCULATION OF THE OWNER.	7685	104180	571506	115		3 FC 3 FC			3153 2 3153 1	_				31.46
28	-		7684	104179	570837 571506	114	3153 3153	3 FC 3 FC			3153 1			1845 0	1846	31.45
29 30			7685	104180	570837	116	3153	3 F(287	3153 2	E	79	1845 0	the second s	31.38
31		and the second se	7684	104179	570837	104	3153	3 F(03	239	3153 2				and the second se	31.43
32	2		7686	104181	571539	285	3153	2 F(235	3153 1		79	And in case of the local division of the loc	01846	31.48
33	1. 3	83 57	7684	104179	570837	117		3 F(286	3153 1 3153 2		79	and the second se	01846	31.49
34	the second se	the second se	684	104179	570837	26	3153 3153	2 FI	03	285	3153 2		279	and the second se	01846	31.45
35	2	the state of the s	686	104181 104178	571539 571127	28	3153		03	284	3153 2		E79	and the second se	01846	31.30
36		and the second se	683	104178	571127	29	3153		03	282	3153 1	1 - 2	E79	1845	01846	31.48
37 38		and the local division of the local division		104179	570837	30	3153	2 F	03	281	3153 1		E79	1845	01846	31.50
39			the second se	104178	571127	20	3153		03	321	3153 2		E79	1845	01846	31.44
40				104178	571127	31	3153		03	280	3153		E79	1845	01846	31.46
41	13		685	104180	571506	32	3153	the second second second	03	279 320	3153 3153	2	E79 F03	1845	01846	31.40
42	29	and the second division of the second divisio	the second se	104181	571539	36	3153		03	278	the state of the s	1	E79	1845	01846	31.48
43			the second se	104178	571127	33 35	3153 3153		03	319		2	F03	1845	01846	31.49
44	and the second se	7 576	the second se	104178	571127 570837	45	3153		03	318		2	F03	1845	01846	31.47
45	9		the second se	104179 104179	570837	46	3153		03	317		2	F03	1845	01846	31.49
46	6			104179	571127	24	3153		03	316	3153	2	F03	1845	01846	31.45
47	15	same and the local division in which the	the second se	104181	571539	55	3153	2 F	03	315	3153	2	F03	1845	01846	31.42
19	10		and the second division of the second divisio	104178	571127	56	3153	2 F	03	314	3153	2	F03	1845	01846	31.44
50	328		and the local division of the local division of the	104181	571539	5	3153		03	313	3153	2	F03	1845	01846	31.40
1	58	and the subscription of th	And in case of the local division of the loc	104179	570837	52	3153		03	312	3153	2	F03	1845	Contraction of the local division of the loc	31.4
2	176			04181	571539	2	3153		03	311	3153	2	F03	1845	and the second se	31.4
3	234	A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE	and the second division of the second divisio	04181	571539	3	3153		-03	310	3153	2	F03	1845	the second se	31.4
4	331		86 1	04181	571539	4	3153	and the second se	03	309	3153	2	F03	1845	the second se	31.4
5	305		the second se	04181	571539	6	3153	statement of the second s	03	308	3153	2	F03	1845	the second s	
6	320		the second day is not	04181	571539	7	3153	the second se	-03	307	3153	2	E79	184	the second se	the second se
6	303	5768	and the second se	04181	571539	316	3153	the second s	F03	145	the second se	2	E79	184	The second se	
3	301	5768	the second s	04181	571539	317	3153	and the second se	F03	144	the second se	2	F03	184	the second se	and the second se
	265	5768		04181	571539	318	3153		F03	143	And in case of the local division of the loc	and the second second	F03	184	and the second se	No. of Concession, name
	312	5768	and the second se	04181	571539	319	3153		F03	142		2	E79	184	the second se	and the second division of the second divisio
	286	5768	And the Owner of the	04181	571539	286	3153		F03	140	and the second se	2	E79	184	the second se	And in case of the local division of the loc
	322	5768	Concession of the Owner water of the Owner	04181	571539	320	3153		F03	141	and the second division of the second division of the	0	E79	184	the second se	Contraction of the local division of the loc
	313	5768		04181	571539	287	3153	and the local division of the local division	F03	139	and the second se	2	and the second se	Contraction of the local division of the loc	and the second design of the s	and a state of the
	236	5768	6 10	04181	571539	289	3153	the second se	F03	138	and the second se	1	E79	18-	and state of the local division of the local	the second s
5	258	5768	and the second se	04181	571539	288	3153		F03	137	the second s	1	E79	18	And in case of the local division of the loc	
2	317	5768	and the second division of the second divisio	4181	571539	290	3153		F03	136	the second s	2	E79	18	and the second se	the second se
-	271	57686			571539	291	3153	the second s	F03	135		2	E79	the second se	45 018	
	261	57686	and the second division of the second divisio	and the second se	571539	294	3153	2	F03	134	the second se		E79	the second se	45 018	the local division of
	201	and the second second second	and the second division of the local divisio	and the second se	571539	302	3153		F03	128	8 3153	2	E79	18	345 018	46
	242	-576.8F														
_	243	57686 57686	and the second division of the second divisio	and the second second second	571539	300	3153		F03	12		1	E79	11	845 018 845 018	Contraction of the second

Drill Pipe Traceability Log

		Te	xas Ste	el Conv	ersion,	Inc.	Dril	Pipe	Custom	er Str	100 # 11	LOQ 14F	'				
		5	shop Order #	057/0114F				1	Web	d-Line		-			1		
IDP III	Heat Treat	Drill Heat Treat	Pipe Heat Treat	Pipe Mill	Pin	Tool Join	nt		Box To	oci Jo	int	1	Veld Lot Test #	Weld Test	#	Finished	
	Joint	in an anna an	TSC		1	Heat	Code	Sena	4.4	Heat	t Code		Pin	Bo	_	Tally 31.51	1
	Serial #	Lot#	Test#	Heat#	Serial # 295		2 F0	and the second design of the local division of the local divisiono	125 3	153	2 1	E79	1845	-	the second s	31.53	1
72	266	57686	104181	571539 570837	163		3 F0	3	and the second se	153		E79 E79	1845	-	and the second se	31.43	
73	75	57684	104179 104181	571539	265		2 F0		and the second se	153		E79	1845	018		31.41	-
74		57686 57686	104181	571539	325	and the second se	3 F0 2 F0			153		F03	1845			31.45	-
75	the second se	57686	104181	571539	266		2 F0 2 F0			153	2	F03	1845	the subscription of the	846	31.46	-
77		57686	104181	571539	327	3153 3153	2 FC		175 3	3153	1	E79	184	the surgery services of	846 846	31.48	
78	310	57686	104181	571539 571539	267	3153	2 F(and the second se	3153	1	F03	184	and the second second	846	31.45	
79	224	57686	104181 104178	571539	42	3153	2 F(the second s		3153	2	F03	184	No. of Concession, name	846	31.42	
80	23	57683 57683	104178	571127	43	3153	2 F(the second se		3153 3153	1	F03	184		846	31.46	_
81	10	57683	104178	571127	41	3153	and the second se	03		3153	1	F03	184	_	846	31.46	
83		57683	104178	571127	63	3153 3153		03		3153	1	F03	184		1846	31.41	
84	.217	57686	104181	571539	253 298	3153		03	123	3153		E79	184	the second se	1846	31.45	
85	332	57686	104181	571539 571539	252	3153	2 F	03		3153		E79 E79		and the second second	1846	31.4	
86	241	57686 57686	104181	571539	296	3153		03	121	3153		E79	18	1.0	1846	31.4	
87	315 237	57686	104181	571539	254	3153		03	120	3153		E79	and the second design of the s		1846	31.4	
88	101	57686	104181	571539	210	3153		03	119 118	3153		E79		45 0	1846	31.4	
89	197	57686	104181	571539	224	3153		03	238	3153		E79	18	And in case of the local division of the loc	01846	31.5	
91	112	57684	104179	570837	106	3153 3153		03	205	3153		E79	the second se	the state of the s	01846	31.4	
92	193	57686	104181	571539	277	3153		:03	117	3153	3 1	E71	-	the state of the s	01846		
93	235	57686	104181	571539 571539	284	3153		03	237	315		E71	the second se		01846		
94	229	57686	104181 104179	570837	120	3153	3 1	F03	257	315		E7 F0			01846		
95	78 219	57684 57686	104175	571539	306	3153		F03	156	315		E7		845	01846	3 31.	44
96	146	57685	104180	571506	92	3153	and the second se	F03	253	315		E7		845	01846		
97 98	132	57685	104180	571506	50	3153		F03	256	315	and the second se	E7		845	0184	the second se	49
99	4	57683	104178	571127	90	3153	and the second se	F03	133	315		E7	19 1	1845	0184	and the owner whether the owne	47
100	307	57686	104181	571539	292	3153 3153		F03	255	315		E		1845	0184		.55
101	46	57683	104178	571127	97 293	3153		F03	132	315	53 2	E		1845	0184		.41
102	296	57686	104181	571539 571539	293	3153	and the second se	F03	131	315			and the second se	1845	0184	and the owner where the party of the local division of the local d	1.43
103	300	57686	104181	571539	301	3153	Contraction of the local division of the loc	F03	130	315				1845	018	and the second se	1.42
104	226	57686	104181	571539	297	3153		F03	129	31				1845	018		1.46
105	299	57686 57686	104181	571539	21	3153	2	F03	186	31	and the second se		And the second s	1845	018	46 3	1.40
106	293		104181	571539	324			F03	179	31			03	1845	018	46 3	1.49
107	264	57686	104181	571539	321			F03	182 234		53 2		79	1845	018		31.41
109	158	57686	104181	571539				F03	181		53 1		79	1845	018		31.42
110		57686	104181	571539				F03	236	the state of the s	153 2	E	279	1845	018		31.38
111	287	57686	104181	571539		and the second division of the second divisio		F03	180		153 1		E79	1845	and the second division of		31.35
112	227	57686	104181	571539	the state of the s	the second se	ALC: NAMES OF TAXABLE PARTY.	F03	233	31	153 2		E79	1845	and the second se	and the second second	31.37
113	160		104181	571539 570837	and a second	and the second division of the second divisio	the second se	F03	245		153 2		E79	1845		the second s	31.50 31.43
114			104179 104180	571506		the second se		F03	244		153 1		E79	1845	and and a design of the local division of th	846 846	31.45
115	143	57685	104180	571506		and the second division of the second divisio		F03	243		153 1	and the second division of the second divisio	E79	1845	-	846	31.50
116		57685	104180	571506	And in case of the local division of the loc	and the second data and the second data and the		F03	242	_	153 2		E79	1845	and the owner where the party is not the party of the par	1846	31.49
117	139	57685 57683	104178	571127		7 315		F03	190	-	and the local division of the local division	1	E79	1845	and the second second second	1846	31.45
118	297	57686	104181	571539				F03	188	-	and the second division of the second divisio	2	F03 E79	184		1846	31.49
119		57685	104180	571506	6			F03	19			2	F03	184		1846	31.42
120		57683	104178	571127	3			F03	18		and the second se	2	E79	184	the second se	1846	31.44
121		57683	104178	571127		and the other designs of the local division of the local divisiono		F03	25			2	E79	184		1846	31.47
122		57684	104179	570837	and the second se		and the second se	F03	25	the second s		2	E79	184	and the second division of the second divisio	1846	31.49
124		57683	104178	571127		and a second	and the second se	F03	30		A REAL PROPERTY AND A REAL	1	F03	184	_	1846	31.52
125		57683	104178	571127		2 315		F03	30	the second second	3153	2	F03	184	Contract of the local division of the local	01846	31.43
126		57686	104181	571539		3 315		F03	29	the second second	3153	2	F03	18		01846	31.47
127	111	57684	104179	570837				F03	24	Acres in case of the	3153	2	E79	18	And in case of the local division of the loc	01846	31.44
128	and the second se	57685	104180	571500		and the second se		F03			3153	2	E79	18	45	01846	31.50
129		57684	104179	57083		the second se	and the second se	F03		23	3153	1	E79	18		01846	31.45
130	15	and the second se	104178	57112		the second se	state in case of the local division of the l	F03		06	3153	2	F03			01846	31.43
131	32	and the second se	104178	57112		ALC: NOT THE OWNER OF THE OWNER OWNER OF THE OWNER	and the second se	F03		04	3153	2	F03		345	01846	31.4
132		Concession of the local division of the loca	104178	57112		and the second division of the second divisio		F03		05	3153	2	F03	18	345	01846	31.4
133			104181	57153		the second se	And in case of the local division of the loc	F03		03	3153	1	F03	11	345	01846	31.4
134		and the second se	104178	57112		the second s		F03		65	3153	1	F03	1	845	01846	31.4
135		statement of the local division of the local	104178	57112		the state of the s	and the second se	F03		66	3153	1	F03	1	845	01846	31.3
136	163		104181	57153		and the Real Property lies of the local division of the local divi	A CONTRACTOR OF THE OWNER OWNER OWNER OF THE OWNER	F03		64	3153	1	F03	1	845	01846	31
137		the second se	104179			COLUMN DE LOS DE	53 2	F03		62	3153	1	F03	1	845	01846	31.
138	the second	And in case of the local division of the loc	104178	and the second se			and the second se	F03	-	163	3153	2	F03		845	01846	31
139		Statement of the local division of the local	104179			and the second s	53 2 53 2	F03	-	202	3153	1	E79		1845	01846	31
140	and the second designed in the second designe	And in case of the local division of the loc	104181				153 2	F03	-	201	3153	1	E79		1845	01846	.31
141			104181			successive days in the local division of the	153 2	FOS		200	3153	1	E79		1845	01846	
142	259	57686	104181	57153	9 2		EEE D	the second se	the second se	Contraction of the local division of the loc	and the second design of the s			-			

FORM #W-14 EFF. DATE: 08-03-1 REV. #3

2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Joint Serial # 40 20 116 68 126	Heat Treat Lot # 57683 57683 57684 57684 57685 57684 57686	Heat Treat TSC Test # 104178 104178 104179 104179	Heat # 571127 571127	Pi Serial # 72	n Tool Joir Heat			V	Veid-	r String # Line of Joint	Т	Weld Lot	Weld L	ot	-
	Joint Serial # 40 20 116 68 126 66 263 285 223 220	Lot # 57683 57683 57684 57684 57685 57685	TSC Test # 104178 104178 104179 104179	Heat # 571127 571127	Serial #				Boo	Too	Joint		Weld Lot	Weld L	ot	12.00
	Serial # 40 20 116 68 126 66 263 285 223 220	57683 57683 57684 57684 57685 57685	104178 104178 104179 104179	571127 571127	and the second se	Heat	-									Sector Sector
	20 116 68 263 285 223 220	57683 57684 57684 57685 57685	104178 104179 104179	571127	72		Code	8 2 2	Serial #		Hant Cards		Test#	Test	C 1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	shed ally
	116 68 126 66 263 285 223 220	57684 57684 57685 57684	104179 104179	Contraction of the local division of the loc	73	3153	2	F03	198	315	Heat Code 53 1	E79	Pin 1845	Box 0184	6 31	.49
	126 66 263 285 223 223 220	57685 57684		570837	74	3153	2	F03	197	31	53 1	E79	1845	0184		1.50
1998855555555 55	66 263 285 223 220	57684		570837 571506	57	3153	2	F03	196	31		E79 E79	1845			1.50
20000000000000000000000000000000000000	263 285 223 220		104180 104179	570837	71 53	3153 3153	2	F03	199	31	53 2	E79	184	and the second se	6 3	1.43
150 151 152 153 154 155 155 155	285 223 220		104181	571539	308	3153	2	F03 F03	194	31	the second se	E79	184		distant and the second s	1.51
5555555555	220	57686	104181	571539	309	3153	2	F03	153 152		53 2 53 2	F03 F03	184		and the second division of the second divisio	1.52
153 154 155 156		57686 57686	104181 104181	571539 571539	310	3153	3	F03	151		53 2	F03	184		46 3	1.46
154 155 156		57686	104181	571539	311 312	3153 3153	2	F03	150		53 2	F03	184	5 018	and the second se	1.39
155 156	267	57686	104181	571539	314	3153	2	F03	149		153 1 153 2	F03 F03	184		and a second	31.50
156	318	57686	104181	571539	313	3153	2	F03	147		153 1	F03	184	and the local division of the local division		31.50
157	81	57684 57686	104179 104181	570837 571539	22	3153	2	F03	185	3	153 2	E79		15 018	346	31.47
	302	57683	104178	571127	315	3153 3153	2	F03	146		153 2	E79		and other states of the local division of th		31.47
158	214	57686	104181	571539	270		2	F03	189		153 1 153 1	E79 E79		state of the second sectors where	A REAL PROPERTY AND ADDRESS OF TAXABLE PARTY.	31.49 31.45
160	175	57686	104181	571539	268	3153	2	F03	217		153 1	E79	and the owner water and the local	And in case of the local division of the loc		31.42
161	218	57686	104181	571539	233		3	F03	215	3	153 1	E79	18	45 01	846	31.41
162	188 177	57686 57686	104181 104181	571539 571539	149 150		3	F03	232		153 1	E79	the second s	the second s	846 846	31.42 31.39
163	180	57686	104181	571539	150		3	F03	231		153 1	E79	and the second se	the second se	846	31.39
164 165	45	57683	104178	571127	58	3153	2	F03	192		3153 1	E7	the Real Property lies and the Real Property lie		1846	31.50
165	168	57686	104181	571539	142	3153	3	F03	262	2 3	3153 2	E7	9 18	345 01	1846	31.42
167	67	57684	104179	570837	110		3	F03	261		3153 1	E7	the second se	and the second division of the second divisio	1846	31.53 31.50
168	108 79	57684 57684	104179 104179	570837 570837	111	the second se	3	F03	260		3153 2 3153 1	E7 E7	And in case of the local division of the loc		1846 1846	31.49
169	173	57686	104181	571539	105		3	F03	258		3153 1	E7			1846	31.42
170	64	57684	104179	570837	75	3153	2	F03	246	6	3153 2	E7	79 1	845 0	1846	31.53
172	238	57686	104181	571539	264		2	F03	10		3153 1	E7			1846	31.48
173	98	57684	104179	570837	48		2	F03	10		3153 1 3153 1	E		and the second se	1846	31.54 31.49
174	38	57683 57683	104178 104178	571127	49		2	F03 F03			3153 1 3153 1			and the second se	01846	31.45
175	24 103	57684	104179	570837	4		2	F03			3153 1			the second se	01846	31.48
176	28	57683	104178	571127	5	1 3153	2	F03			3153 1		the second se	_	01846	31.45
178	65	57684	104179	570837	7		2	F03		_	3153 1		and the second design of the s	the second s	01846	31.52
179	115	57684	104179	570837	7		2	F03		8	3153 1 3153 1		the Real Property lies in the local division of the local division	and the second division of the second divisio	01846	31.45
180	278	57686	104181	571539 571506	22	the second se	3	F03		_	3153 1				01846	31.48
181	141	57685 57685	104180	571506	8	the second se	2	F03		99	3153 1				01846	31.45
182	140	57683	104178	571127	7	the state of the s	2	F03	3 10		3153		79	and the second division in which the second division is not the second division of the seco	01846	31.44
184	309	57686	104181	571539	22		3	F03	the second se	61			-03	1845	01846	31.48
185	42	57683	104178	571127	7	and the summer is not a summer of the summer	2	FO	the second se	59			F03	1845	01846	31.43
186	294	57686	104181	571539	30	Carlos and Carlos	and the second se	F0	And the subscription of th	61	and the local division of the local division		F03	1845	01846	31.4
187	36	57683	104178	571127 571539	6	the second se	and the second se	FO	the second se	58			F03	1845	01846	31.4
188	256	57686	104181 104179	570837	6	the local division in which the local division in which the local division is not the local division of the local division in the local division in the local division is not the local division of the local division in the local division is not the local division of the local division in the local division of the local division o	And in case of the local division of the loc	FO		60	3153		F03	1845	01846	31.5
189 190	114 314	57684 57686	104179	571539	30	7 3153	3	FO	the second se	54	3153	the state of the s	F03	1845	01846	31.4
190	222	57686	104181	571539	30	5 3153		FO		57	3153	2	F03	1845 1845	01846	31.4
192	240	57686	104181	571539		4 3153		FO	And in case of the local division of the loc	296	3153 3153	2	F03	1845	01846	31.4
193	77	57684	104179	570837	12	And in case of the local division of the loc		F0 F0		295	3153	1	F03	1845	01846	Contract of Contra
194	107	57684	104179	570837	12	the second se		FO		294	3153	2	F03	1845	01846	and the second se
195	82	57684	104179	570837	12	9 3153		FC		327	3153	2	F03	1845	01846	
196	44	57683	104178	571127 571127		6 3153	and the second division of the second divisio	F()3	325	3153	.1	F03	1845 1845	01846	
197 198	25	57683	104178	571127	-	5 3153				326	3153	2	F03	1845	01846	and the second data in the secon
190	43 275	57683 57686	104178	571539		17 3153	3 2			324	3153 3153	2	F03	1845	0184	and the second division of the second divisio
200	33	57683	104178	571127	1	18 315				323	3153	2	F03	1845	0184	6 31
201	29	57683	104178	571127		19 315			W 10	249	3153	2	E79	1845	0184	
202	129	57685	104180	571506		315				248	3153	2	E79	1845	0184	
203	142	57685	104180	571506		98 <u>315</u> 99 315			03	247	3153	2	E79	1845		Contractor of the local division of the loca
204	100	57684	104179	570837	1	No. of Concession, Name		and the owner where the party is not	03	96	3153	1	E79	1845	the second se	
205	97	57684	104179	570837		84 315 56 315	-	F	03	115		1	E79 E79	1845		_
206	247	57686	104181	571539	-	58 315	-	F	03	113		1	E79	1845	and some other states of the local division of the local divisiono	
207	324	57686	104181	571539		59 315	and the second division of the second divisio	F	03	112	and the second se	4	E79	184		and a second division of the
208	225	57686	104181	571539		60 315	3 2		03	111	and the second se	1	E79	184	ALC: NOT THE OWNER OF THE OWNER OWNER OF THE OWNER	46 3
210	298	57686	104181	571539 571539		61 315	3 2		03	210		1	E79	184	the second se	
211	321	57686	104181	571539		73 315			03	211		1	E79	184		
212	203	57686 57686	104181	571539	2	72 315	100		-03	207	3153	2	E79	184	5 018	46 1
213	281	57686	104181	571539	2	76 315	5 2	DATE	08-03-1 6	REV	#3					
1	- Louil	01000	Towner		FORM	1 #W-14	EFF. I	Unit	State of the							

			xas Ste Shop Order #		version	, Inc.	C	Drill	Pipe Tr Cus		eabil er String				_		-
-	-	Drill	Pipe					-	1	Weld	d-Line	2209				1	-
jop mil		Heat Treat	Heat Treat TSC	Pipe Mill	Pir	Tool Joi	nt		Bo	x To	thioL loc			d Lot V	Neld Lot Test #	Finist	ied
ipe .	Joint	Lot #	Test#	Heat #	Serial #	Heat	Code		Serial #		Heat Co	ode		Pin	Box	Tal	
#	Serial #	57686	104181	571539	202	3153	3	F03	44	3	153 1		03	1845	01846	31.	
285	201	57684	104179	570837	203	3153	3	F03	43		153 1		03	1845	01846	31.	
286	91	57686	104181	571539	162	3153	3	F03	16		153 2		79	1845	01846	31	
287	189	57686	104181	571539	184	3153	3	F03	38		153 1		03	1845	01846		48
288	291	57686	104181	571539	205	3153	3	F03	41		153 1	1	-03	1845	01846		.42
289	333	57686	104181	571539	206	3153	3	F03	40		153 2		E79	1845	01846	and the second se	.50
290	16	57683	104178	571127	177	3153	3	F03	39	3	153 1		F03	1845	01846		1.45
291	283	57686	104181	571539	230	3153	3	F03	60	- 3	153 1		F03	1845	0184		1.48
292	122	57685	104180	571506	207	3153	3	F03	59	3	3153 1		F03	1845	0184		1.42
293	56	57683	104178	571127	208	3153	3	F03	58		3153 1		F03	1845	0184		1.46
294 295	304	57686	104181	571539	213	3153	3	F03	56		3153 1	And in case of the local division of the loc	F03	1845	0184		1.45
295	326	57686	104181	571539	209	3153	3	F03	57	<u> </u>	3153 2		E79	1845	0184		31.40
290	169	57686	104181	571539	214	3153	3	F03	55		3153		F03	1845	and the second se		31.44
298	119	57685	104180	571506	215	3153	3	F03			3153	1	F03	1845			31.48
299	30	57683	104178	571127	216	3153	3	F03			3153	1	F03	1845	and the second division of the second divisio	and the second division of the second divisio	31.43
300	181	57686	104181	571539	244	3153	3	F03			3153	1	E79	1845	_		31.45
and the second s	14	57683	104178	571127	178	3153	3	FO3			3153	1	F03	1845	the second se		31.41
301	185	57686	104181	571539	179	3153	3	FOS		_	3153	1	F03	184	Name of Concession, name of Street, or other	and the second se	31.44
302	130	57685	104180	571506	180	3153	3	FOS		_	and the second se	2	E79	184	the second se	the second se	31.49
303	252	57686	104181	571539	183	3153	3	FO	a second s	_	3153	1	F03	184	And in case of the local division of the loc	846	31.46
304	99	57684	104179	570837	181	3153	3	F03		_	3153	1	F03	184	and the second design of the s	846	31.48
305	13	57683	104178	571127	174	3153	3	FO		3	3153	2	E79	184		846	31.38
306	153	57686	104181	571539	164	3153	3	FO			3153	2	E79	184		846	and the second se
307	the second se	57686	104181	571539	165	3153	3	FO			3153	2	E79	184		846	31.48
308	157	57685	104180	571506	166	3153	3	FO	3 1	2	3153	2	E79	18	Color Ball Brown Street Street Street	846	31.45
309	135	and the second se	104180	571506	167	3153	3	FO	3 1	1	3153	2	E79	18	and the second division of the second divisio	1846	31.44
310	128	57685	104179	570837	168	3153	3	FO	3 1	0	3153	2	E79	18	and the second division of the second divisio	1846	31.53
311	89	57684	and the second se	571539	169	3153	3	FO	3	9	3153	1	F03	and the second se		1846	31.42
12	171	57686	104181	statements of the second se	170	3153	3	FO	and and a second se	8	3153	2	E79	18		1846	31.52
13	102	57684	104179	570837	155	3153	3	FC	and all the second s	7	3153	2	E79	18		1846	31.45
14	123	57685	104180	571506	171	3153	3	FC	And in case of the local division of the loc	6	3153	2	E79	18	345 0	1846	31.46
15	121	57685	104180	571506	and the second sec	3153	3	F	the local division of	3	3153	1	F03	1	845 (01846	31.4
16	254	57686	104181	571539	175	the second se		F		5	3153	2	E79	1	845 (01846	31.5
17	96	57684	104179	570837	172	3153	3			4	3153	2	E79		statement of the local division in which the local divisio	01846	31.4
18	165	57686	104181	571539	173	3153	3	F	And in case of the local division of the loc	and the second se	3153	1	F03	and the owner of the	the second se	01846	31.4
19	216	57686	104181	571539	192	3153	3	_		23	Contraction of the local division of the loc	2	E79	_		01846	31.4
20	170	57686	104181	571539	176	and the second se	3		03	2	3153		and the second se	-		01846	31.4
21	174	57686	104181	571539	159	3153	3		03	19	3153		E79	-	and the local division of the local division	01846	31.
	Contraction of the local division of the loc	the second se	104181	571539	193	and the second se	3	F	03	22	3153		F03	-	1845	and the second se	31.
22	269	57686	the second se	571539	161		3	F	03	18	3153		FOS	-	1845	01846	the second day of the
23	192	57686	104181	the second se	194				03	21	3153	2	E79	_	1845	01846	31.
24	279	57686	104181	571539					03	17	3153	3 2	E7	9	1845	01846	31
25	182	57686	104181	571539	160				03	20			E7	9	1845	01846	31
6	127	57685	104180	571506	195	3153	3		0.0	2.0				100	and the second second	and the second	

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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 irements and meets the requirements for the grade indicated.

;TOM	ER: TSC	DRI	LL PI DO DR	PE/ ILLIN	G					so#	057	/01148	r		
ie : Iet : :	4.00 IU 1	0.000	330		GRAJ PO# MFG	DE . PROC		2013-00	060	MILL	: TSC : API	AT : (/C.E. :5DP test	KING		
	<u>TEST#</u> 104178 104179 104180 104181			# JT: 50 60 30 182	6 0 6		5 5 5	EAT # 71127 70837 71506 71539		(LOT # 057683 057684 057684 05768	4 5			
C .26 .27 .26 .27	<u>Si</u> .20 .19 .22 .19	<u>Mn</u> . 87 . 95 . 89 . 89	P .005 .005 .007 .006	<u>S</u> .002 .003 .002 .003	<u>Cr</u> .94 .97 .94 .94	<u>Mo</u> .41 .40 .39	<u>Ni</u> .09 .11 .11 .08	V .005 .005 .005 .005	Al .029 .032 .034 .037	<u>Nb</u> .001 .001 .001 .001	<u>Sn</u> .008 .009 .009 .008	<u>Ti</u> .031 .037 .036 .035	Cu .11 .10 .13 .13	<u>Ca</u>	B .0013 .0018 .0015 .0013

B. Cox ality



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

TENSILE TEST

E	IMENSIONS 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

DY TYPE: LONGITUDINAL STRIP

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ENSILE SPECIMEN	HARDNESS M.H.N.s	UPSET HA	RDNESS '	VARIATION
0.D.	33.7	QUADRANT	_1_	2
MID	34.2	O.D. M.H.N.	34.9	34.5
I.D.	34.3	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
RIENTATION: LONGITUDINAL	61	51	95
VERAGE	62		

CHEMICAL PRODUCT ANALYSIS

#	с	Si	Mn	P	s	Cr	Мо	Ni	v	Al	Nb	Sn	Ti	Cu	Ca	в
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

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DATE

QUALITY TEST REPORT

STOM	ER: TSC DRILL PIPE/	ING			TEST #	104179
POP .	057/0114F D2013-0060 1 TSC/C.E. KING	SIZE: UPSET: GRADE: SPEC:	4.000X0.330 IU S135 API:5DP 08/01/10	.7% EUL	LOT # HEAT#: MFG.PROC. HEAT TREAT # JTS/LOT	0120 220 20 20 20

TENSILE TEST

IMENSIONS (Inches)	AREA (Sq.In.)	YIELD STRENGTH (Lbs/Sq.In.)	TENSILE STRENGTH (Lbs/Sq.In.)	ELONG (IN 2")	ROA (%)
363X0.981	0.361	(B) 149500	155800	18.7	56.5
0.509 (BAR	DIAM.)	(U) 153800	165900	16.1	60.1

DY TYPE: LONGITUDINAL STRIP

SILE SPEC	IMEN HARDNESS M.H.N.S	UPSET H	ARDNESS	VARIATION	
0.	D. 35.4	QUADRANT	_ 1	_2	
MI		O.D. M.H.N.	36.0	35.5	
Ι.	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
RIENTATION: LONGITUDINAL	60	50	100
VERAGE	61		

CHEMICAL PRODUCT ANALYSIS

#	с	Si	Mn	P	S	Cr	Мо	Ni	v	Al	Nb	Sn	Ti	Cu	Ca	в
															0007	.0014
2	.29	.19	.94	.007	.002	.93	.39	.11	.006	.015	.002	.007	.037	.10	8000	.0015

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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'

JOP.	I		Shop Order	W 057/0116	0			the second se	tomer Strin Veld-Line					
Degi I	and the second	at Heat Tre	at Heat Treat	Pipe Mill	P	n Tool Join	ut		x Tool Joint		Weld		eld Lot	
ipe :	Joint Serial #	Lot #	TSC Test #	Heat#	Serial #	Heat	Code	Senal #	Heat C	ada	Tes	Contraction Contraction	Test# Fi	nished
1		6 57819	105060	572202	4	3153	1 F03	264	7139 1	F71				Tally 31.33
-		5 57819	105060	572202	7	3153	1 F03	261	7139 1	F71	019	929		31.34
		5 57819 7 57819	105060	572202 572202	5	3153 3153	1 F03 1 F03	263	7139 1	F7				31.37
5			105060	572202	8		1 F03	262	7139 1 3153 1	and the second s				31.43
6		and a second	105060	572202	9	3153	1 F03	259	7139 1	And the second second second second		929 929	01928	31.42
7	6		105060	572202	12	3153	1 F03	255	7139 1			929	01928	31.39
8			105060	572202	14		1 D99	252	7139	Concernance of the second		929	01928	31.42
9			105061	572202	15	3153	1 F03	254	7139	1 F7	1 01	929	01928	31.41
10			105060	572202	17	3153	1 F03	257	7139			929	01928	31.37
11	24		105061	572202	16	3153	1 F03	253	0100	1 F0		929	01928	31.43
12	24		105063	572202 571538	18 19	3153 3153	1 F03	250	7139	1 F7		929	01928	31.39
14	178	the second se	105061	572202	20	3153	1 D99 1 D99	249 248		1 FC 1 F7		1929	01928	31.43 31.34
15	144		105061	572202	20	3153	1 F03	240	7139	1 F1		1929	01928	31.43
16	20		105060	572202	21	3153	1 D99	200	7139	1 E7		1929	01928	31.39
17	422		105062	572486	3	3153	1 D99	265	7139	1 F	COLUMN TWO IS NOT THE OWNER.	1929	01928	31.41
18	132		105061	572202	22	3153	1 F03	348		1 F		1929	01928	31.41
19	148	57820	105061	572202	24	3153	1 F03	346		1 F		1929	01928	31.39
20	111	57819	105060	572202	25	3153	1 F03		7139	1 F	71 0	1929	01928	31.36
21	413		105062	572486	27	3153	1 F03		7139	1 F	71 0	1929	01928	31.37
22	404		105062	572486	28	3153	1 F03	Commentation of the local division of the lo	7139			1929	01928	31.33
23	22		105060	572202	29	3153	1 F03		7139			1929	01928	31.38
24	199		105061	572202	30	3153	1 F03		7139			1929	01928	31.60
25	73		105060	572202	32	3153	1 D99		7139		and the second se	1929	01928	31.36
26	276		105062	572486	31	3153	1 F03		7139			01929	01928	31.44
27	165		105061	572202	11	3153	1 F03		7139			01929	01928	31.37
28	215		105061	572202	13	3153	1 D99		7139		the second s	01929	01928	31.32
29	216		105061	572202	34	3153	1 D99		7139			01929	01928	31.46
30	80	57819	105060	572202	35	3153 3153	1 D99	A STATE OF THE OWNER AND ADDRESS OF THE OWNER ADDRESS	7139			01929	01928	31.38
31	136	57820	105061	572202	36		1 F03					01929	01928	31.46
32	354	57821	105062	572486	33	3153 3153	1 F03					01929	01928	31.48
33	221	57820	105061	572202	38	3153	1 F03					01929	01928	31.3
34	118	57819	105060	572202	39	3153	1 F03	Association and a second				01929	01928	31.4
35	151	57820	105061	572202 572202	40	3153	1 F00		and a summer of the local division of the lo			01929	01928	31.3
36	82	57819	105060	and the second se	40	and the second se	1 F0		the second se		F71	01929	01928	31.3
37	106		105060	572202	41	3153	1 D9	and the second se	the second s		F71	01929	01928	31.4
38	197	57820	105061	572202	44	3153	1 D9	the second se	and the second state of th		F03	01929	01928	31.3
39	39	57819	105060	572202	45	3153	1 F0				F71	01929	01928	31.3
40	225	57820	105061	572202	46	3153	1 F0		and the second se	1	F71	01929	01928	31.2
41	253	57820	105061	572202	40	3153	1 F0	and the second se	And a second sec	1	F71	01929	the second se	
42	71	57819	105060	572202	48	3153	1 F0			1	F71	01929		and the second day of the seco
43	74	57819	105060	572202	40	3153	1 F0			1	F71	01929	COLUMN TWO IS NOT THE OWNER. IN COLUMN TWO IS NOT	Contraction of the local division of the loc
44	149	57820	105061	572202		3153	1 F0	the second se		1	F71	01929	Contraction of the local division of the loc	And in case of the local division of the loc
45	19	57819	105060	572202	51		1 F0	the second s	NAME AND ADDRESS OF TAXABLE PARTY.	1	F71	01929	the second day of the second d	And in case of the local division of the loc
46	258	57820	105061	572202	52	3153	1 F0	And address of the owner whether the owner wheth	the second s	1	F71	01929	And in case of the local division of the loc	the second day of the local day is the second day of the second da
47	155	57820	105061	572202	53	3153	1 F0	the second se	the second se	1	F71	01929	and the second division of the second divisio	the second se
48	170	57820	105061	572202	54	3153		and the second se	and the second second second second second	1	F71	01929	the second division of the local division of	
49	208	57820	105061	572202	55	3153	1 F0		the second se	4	F71	01929	And in case of the local division of the loc	and the second division of the second divisio
50	203	57820	105061	572202	56	3153	1 D9		Contraction of the local division of the loc	-	F71	0192	and the second division of the second divisio	the state of the s
51	16	57819	105060	572202	57	3153	1 FC				F71	0192	and the second division of the second divisio	And in case of the local division of the loc
52	231	57820	105061	572202	58	and the second se	1 FC	Address of the Owner			F71	0192	A Description of the local division of the l	Concession of the local division of the loca
53	172	57820	105061	572202	59	Contraction of the local division of the loc	1 FC	Columbus and Columbus a			F71	0192	the same same same same same same	and the second se
54	214	57820	105061	572202	60		1 F(A REAL PROPERTY AND ADDRESS OF TAXABLE PARTY.			F71	0192	And in case of the local division of the loc	and the second division of the second divisio
55	186	57820	105061	572202	62	3153	1 F(and the second se	0192	And in case of the local division in which the local division in which the local division in which the local division in the local din the local division in the local division in the local din the l	And in case of the local division of the loc
6	200	57820	105061	572202	63		1 F(and the second se	the set of		F71	And in case of the local division of the loc		the state of the s
	47	57819	105060	572202	26		1 D9				F71	0192	And in case of the local division of the loc	And in case of the local division of the loc
7	the second se	57820	105061	572202	50	and the second data with the s		and the second se	36 7139		F71	0192	and the second division of the second divisio	
8	230	and share the second	105061	572202	42	and the second se	1 F(93 3153		F03			and the local division of the local division
9	218	57820	105061	572202	23	and the second se	1 F	03 34	47 713		F71		and the second se	And a state of the
0	183	57820		572202	65	and the second se			68 713		F71		and the second se	the second se
1	100	57819	105060	and in case of the local division of the loc	66	and the second se			79 713		F71	and the second division of the second divisio	and the second se	the second se
2	188	57820	105061	572202		3153			68 315	3 2	E79		and the second se	the second design of the secon
3	324	57821	105062	572486	67	and the second se			67 713	the second s	F71	019		the second s
4	219	57820	105061	572202	68	the second s			66 315		E79	the local division of	29 01	28
5	21	57819	105060	572202	69	Contraction of the local division of the loc			65 713	and the second se	F7*	and the second se	the second s	928
and the second se	114	57819	105060	572202	70					and the second se	F7	and the second distance of the second distanc	and the second se	928
3	162	57820	105061	572202	73				and the second design of the s	and the second se	E79	the second se	and the second se	928
1	and the second second	the second se	105062	572486	72	3153			63 315	the second s	F7	the second se	the second s	928
3	350	57821	105062	572486	74				61 713	a se la companya de la		and the second second	Statement of the local division of the local	928
	375	57821	100002		76		1 F	03	59 713	9 2	F7	the second se		the second s
	275 429	57821	105062	572486	100	0.00			72 713	10 1	F7	A	929 01	928

			xas Ste	057/01160)	danne -					r String #					1	-
	0	Dril	Pipe			Terral Jala		T			Joint		Weld	Lot	Weld Lot	1 mar	
	Heat Treat	Heat Treat	Heat Treat	Pipe Mill	PI	n Tool Join	и		1				Tes		Test#	Finish	(Co. C)
	Joint		TSC	Constant.	and the second	Heat	Code	Se	rial #	1	Heat Cod		P	and the second se	Box	Tal 31.3	
	Serial #	Lot#	Test#	Heat #	Serial # 75	3153	1 F0	and the owner does not the	60	71:		F71	019		01928	31.	
72	348	57821	105062	572486 572486	77	3153	1 F0		58	71:		F71 F71	019		01928	31.	
73	395	57821 57819	105062 105060	572202	10	3153	1 F0		258 378	713		F03	and the second second		01929	31.	
74	194	57820	105061	572202	171	3153	1 F0 1 F0	CALLS IN COLUMN	363	31	and the second se	F03	019	930	01929	31.	
76	140	57820	105061	572202	184	3153 7139	2 F5		360	31		F03	_	930	01929	31	
77	163	57820	105061	572202 572202	172		1 F(376	31		F03		930	01929 01928	the second second	38
78	84	57819 57820	105060	572202	186		2 F5		350		39 1 53 2	F71 F03	And in case of the local division of the loc	930 930	01929	the local division in which the local division in which the local division in the local	23
79 80	185 328	57821	105062	572486	187	3153	1 F(362		53 2 53 2	FO		930	01929		.97
81	442	57822	105063	571538	174	7139 3153	2 F8		384		39 1	F7'	and the owner of the local division of the l	930	01925	and the second se	.46
82	101	57819	105060	572202	189	second se	1 F(and the second se	364		153 2	FO	and the second party in party of	930	01929	and the second division of the second divisio	.40
83	36	57819 57819	105060 105060	572202 572202	192	7139	2 F	57	383		139 1	F7	the statement of the st	1930	01929	and the second se	.42
84 85	127	57819	105060	572202	190	7139	2 F		386		139 1	F7 F7	to be set of the local division of the local	1930 1930	0192	And in case of the local division of the loc	1.34
85	105	57819	105060	572202	191	and the second se		57	415		1 <u>39</u> 1 153 1	FO		1929	0192	8 3	1.38
87	238	57820	105061	572202	146	7139		57 57	187		153 1	FO	the second s	1929	0192	the second se	1.37
88	65	57819	105060	572202	148	7139 7139		57	176		153 1	FO	3 0	1929	0192	and the second division of the second divisio	1.39
89	373	57821 57819	105062 105060	572486 572202	149	7139	1 F	57	189		153 1	FO	the second day of the	1929	0192	and in case of the local division of the loc	1.38
90 91	99	57820	105060	572202	147	7139		57	188		153 1	FC		1929	0192	and the second division of the second divisio	1.30
92	192	57820	105061	572202	153	7139		57	175		153 2 153 2	E	And in case of the local division of the loc	1930	019		31.38
93	49	57819	105060	572202	152	7139		57 57	186 185		153 1	F		1930	019	28	31.40
94	69	57819	105060	572202	154	7139 7139		57	184		153 1	F	03 0	1930	019	and the second division of the second divisio	31.44
95	223	57820	105061 105060	572202 572202	155	7139		57	182	3	153 2		_	01930	019	And in case of the local division of the loc	31.38
96 97	371	57819 57821	105060	572486	156	7139	1 F	57	181		153 2		and the owner of the owner own	01930	019		31.45
98	135	57820	105061	572202	158	3153		03	177		139 2		the second se	01930	019	and the second division of the second divisio	31.42
99	4	57819	105060	572202	159	3153		03	183	<u> </u>	153 1 3153 2		and the local division of the local division	01930	and the second design of the s	and the second se	31.40
100	207	57820	105061	572202	160	3153		03	180	<u>.</u>	3153 1			01930	the second s	And in case of the local division of the loc	31.47
101	449	57822	105063	571538	161	3153 3153		03	178		3153 1			01930		928	31.37
102	89 333	57819 57821	105060 105062	572202 572486	162	3153		03	157		7139 1	F	and the second se	01930		928	31.42
103	272	57821	105062	572486	164	3153		03	8		3153 2			01930	the second se	928	31.3
105	330	57821	105062	572486	165	3153		03	174		3153 2			01930	and in case of the local division of the loc	928	31.3
06	161	57820	105061	572202	166			03	171	_	3153 2		79	01930	and the owner where the part of the local division of the local di	928	31.3
07	83	57819	105060	572202	127	7139		-57	437	_	3153 1 3153 1		79 79	0192		929	31.4
08	81	57819	105060	572202	128			F57	430		3153 1		E79	0192	A REAL PROPERTY AND ADDRESS OF	1929	31.3
09	356	57821	105062 105061	572486 572202	129	Conception of the local division of the loca		F57	435		7139 '		F71	0192		1929	31.3
10	143 397	57820 57821	105061	572486	91			F57	324		7139		F71	0192	9 0	1928	31.4
11	232	57820	105061	572202	113	Contraction of the local division of the loc		F57	450	0	3153		E79	0192		1929	31.4
13	26	57819	105060	572202	131	7139		F57	433		7139	_	F71	0192		1929	31.3
14	51	57819	105060	572202	134			F57	433		7139	1	F71	0192	No. of Concession, Name of Street, or other	1929	31.
15	316	57821	105062	572486	132			F57	43		3153	1	E79	0192		1929	31.
16	229	57820	105061	572202	135			F57	42		7139	1	F71	0192	the second se	1929	31.
17	95	57819	105060	572202	137			F57	42		7139 3153	1	F71 E79	0193	An other Designation of the local division o	1929	31
18	102	57819	105060	572202 572202	138		1	F57	42		3153	1	F03	019	the second s	01928	31
19	187 352	57820 57821	105061 105062	572486	139	and the second se	1	F57	42		3153	1	E79	019	Concerning of the second se	01929	31
20	405	57821	105062	572486	141	and the summer of the local division of the	1	F57	19		3153	2	E79	019		01928	31
22	131	57820	105061	572202	143		1	F57	19	_	3153	2	E79	019	And the owner water w	01928	31
23	156	57820	105061	572202	142		1	F57	19		3153	1	F03	019	29	01928	31
24	363	57821	105062	572486	145	5 7139	1	F57	19		3153	1	F03	019		01928	3
25	171	57820	105061	572202	144	and the second se	1	F57	And in case of the local division of the loc	92	3153	1	F03	019		01928	3
26	334	57821	105062	572486	108	and the second se	1	F57		13	7139	1	F71	019	and the second diversity of th	01928	3
27	119	57819	105060	572202	110	the local data and the local dat	1	F57	the second s	11	7139	1	F71		929	01928	3
28	184	57820	105061	572202	107	the second s	1	F57	the second s	06	7139	1	F71	and the second sec	929	01928	3
29	191	57820	105061	572202	109		1	F57	the second s	05	7139	1	F71		929	01928	3
30	94	57819	105060	572202	111	the second se	1	F57		08	7139	1	F71		929	01928	3
1	139	57820	105061	572202	113	and the second se	4	F57	the second s	07	7139 3153	4	E79	the second se	929	01928	
2	437	57822	105063	571538	114	the second se	4	F57 F57		49	3153	4	E79	Contraction of the local division of the loc	929	01929	the second s
3	252	57820 57821	105061	572202	118	the second se	4	F57		48	3153	2	E79	and the second se	929	01929	the second s
4	353 193	57820	105062 105061	572486 572202	11			F57		46	3153	4	E79	and the sum of the sum	929	01929	
8	291	57821	105061	572486	11	the second se		F57		40	3153	1	E79	the second se	1929	01929	and the second se
	205	57820	105062	572202	11	the same in the same state of		F57	and the second se	144	7139	1	F7	where we wanted a state of the	1929	01929	
	360	57821	105062	572486	12			F57		443	7139	1	F7	the second s	1929	0192	
	-362	57821	105062	572486	12			F57		440	3153	2	E7	PROPERTY AND INCOME.	1929	0192	
	417	57821	105062	572486	12			F57	_	441	3153	2	E7	_	1929	0192	the second s
	and the local division in which the real division in the local div	and the second second		572202	12					_	Conception of the local division of the loca			the second s	the second s		
			105061	3//////	1	41 71 104	and the second se	F57		439	3153	2	E7	0 0	1929	0192	0

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10/100				
Shop	Order #	057/0116D	Service and the service of the servi	

			Shop Order #				Dill		Custo		tring # 1			_		-	-
DP II	Heat Treat	Concentration of the local	Heat Treat	Pipe Mill	Pir	n Tool Join	vt	T	3.5 1	Tool J	-200						1
e l	Joint		TSC		1				1				Weld L Test #	201 B	/eld Lot Test #	Finishe	
	Serial #	Lot#	Test#	Heat#	Serial #	Heat			ial#		at Code		Pin	-	Box	Tally	
143	98		105060 105061	572202 572202	126	7139 7139	1 F5 1 F5			7139	2	F71 E79	01929		01929	31.40	
144	40		105060	572202	90	7139	1 F5			7139	1	F71	0192	9	01928	31.42	2
146	138	57820	105061	572202	89		2 F5	7	327	7139	1	F71	0192		01928	31.3	
147	78		105060 105061	572202 572202	92 93	7139 7139	1 F5			7139	1	F71 F71	0192		01928	31.3	
148	255 277	57820 57821	105062	572486	94	7139	1 F5			7139		F71	0192		01928	31.3	
150	440	And in case of the local division of the loc	105063	571538	95	7139	1 F5	57	314	7139	1	F71	0192	9	01928	31.5	
151	12		105060	572202	96	7139	1 F!		320	7139		F71	0192		01928	31.3	
152	52	57819 57821	105060 105062	572202 572486	97 98	7139 3153	1 F	03	295 319	7139		F71	0192		01928	31.4	
153 154	281 137	57820	105061	572202	99	7139		57	318	7139		F71	0193		01928	31.3	37
155	13	57819	105060	572202	100	7139		57	312	7139		F71	019		01928		
156	44	57819	105060	572202	101	7139		57 57	309	7139		F71	019		01928		
157	24 391	57819 57821	105060 105062	572202 572486	102	7139 7139		57	310	713		F71	019		01928	the second se	
158 159	31	57819	105060	572202	104	7139		57	316	713	9 1	F71			01928		
160	8	57819	105060	572202	105	7139		57	304	713		F71			01928	and the second designed in the second designed in the second designed and the	.41
161	56	57819	105060	572202	106	7139		57	315 56	713		F71			0192	And a second sec	.39
162 163	198 446	57820 57822	105061 105063	572202 571538	79 80	7139		57	55	315	and the second se	E79	and the second se		0192	8 31	.48
164	166	57820	105061	572202	81	7139	1 F	57	54	315	3 1	E79	9 01	929	0192	the second day is not the second day is not the	.37
165	385	57821	105062	572486	82	7139		57	52	315		E7	and the second se	929 929	0192	the second second second second	1.52
166	399	57821	105062	572486	83			57	51 53	315		E7	the second se	929	0192		1.39
167	416	57821 57821	105062 105062	572486 572486	84	the second s		57	50	315	and the second se	E7		929	0192	28 3	1.48
168	273	57819	105062	572202	86			-57	49	315	53 2	E7	9 01	929	0193	and the second division of the second divisio	1.36
170	295	57821	105062	572486	78	3153	1	F03	57	713		F7		929	019		1.39
171	182	57820	105061	572202	87			F57	328	713		F7 F7	the second s	1929 1929	019	statement of the local division of the local	31.41
172	381	57821	105062	572486	88	and the second design of the local division of the local divisiono		F57 F03	326 239	31		FC	Contract of Contra	1930	019	the second se	31.39
173	154	57820 57820	105061 105061	572202 572202	229	the second se		F03	219	31		FC	0 80	1930	019	and the second s	31.37
174	195	57820	105061	572202	231	and the second division of the second divisio	2	F03	238	71		F	termine in the second se	1930	019	and the second division of the second divisio	31.36 31.42
176	2	and the second statement of th	105060	572202	233			F57	236	31	and the second se			1930 1930	019		31.42
177	152	57820	105061	572202	232			F57 F03	237	31	the second s			1930	019	And in case of the local division of the loc	31.43
178	400	57821	105062	572486	235	and the second se	2	F57	235		53 1			1930	019	928	31.39
179	365	57821 57821	105062 105062	572486 572486	237	the second se	2	F03	233	31	53 2		and the second se	1930	the second division of the local division of	928	31.45
180	279 327	57821	105062	572486	236	5 7139	1	F57	229	the second se	53 1	_	and the second second	1930		928	31.39 31.40
182	456	57822	105063	571538	266		1	F57	119	_	139 2 139 1			01930		929	31.34
183	67	57819	105060	572202	304	and the second se	2	F57 F03	354	_	139 1		the second se	01930		929	31.44
184	368	57821	105062	572486	300	and the second se	1	D99	122	_	153 1	E	79	01930	and the second se	928	31.38
185	389	57821	105062	572486	30	and the second se	1	F03	401	1 7	139 1			01930	and party of the local division of the local	1929	31.38
186	53 337	57819 57821	105062	572486	26	8 7139		F57	121	the second second	139 2			0193	the second day of the	1928 1929	31.39
187 188	14	57819	105060	572202	30	the second s		F03	355	in the second second	139 1			0193	the second day of the	1928	31.38
189	146	57820	105061	572202		and a second		F57 F57	30	the second second	139		F71	0193	And in case of the local division of the loc	1928	31.36
190	60	57819	105060	572202	and a second	terest of the second		F57	14	the second s	153		E79	0193	0 0	1928	31.49
191	461	57822	105063	571538 572202			the second se	F57	39	1 7	7139	1	F71	0193	and the second se	1929	31.39
192	33	57819	105060	572202		the second se	the second s	F57	37		3153	1	E79	0193	No. of Concession, name	1929	31.41 31.41
193	29 92	57819 57819	105060	572202	21	9 3153		F03	38	_	7139	1	F71	0193	and the owner of the	01929	31.47
194 195	92 37	57819	105060	572202	22		and the second se	F03	38		7139	1	F71	019	And in case of the local division of the loc	01929	31.37
195	15	57819	105060	572202	22	Contraction of the local division of the loc	and the second se	F57 F03	41		7139	1	F71	019	30	01929	31.46
197	282	57821	105062	572486		and a second		F03	38		7139	1	F71	019	30	01929	31.37
198	115	57819	105060	572202			the second s	F57	24	42	3153	1	F03	019		01928	31.31
199	23	57819	105060	572202 571538		and the second division of the second divisio	the second se	F57	24	43	7139	1	F71	019		01928	31.44
200	448	57822	105063	571536		4 3153	and the second se	F03		the second second	7139	1	F71	019		01928	31.2
201	28	57819	105060	572202		4 3153	3 2	F03		44	3153	1	F03	019	and the local division in which the local division is not the local division of the local division is not the local division of the	01928	31.3
202	217	57820 57820	105061	572202	24	15 7139	and the second se	F57		30	3153 3153	1	F03	019	and the second se	01928	31.4
03	256 246	57820	105061	572202	24	and the second se	Contraction of the local division of the loc	F57		25	3153	1	F03	and the second se	930	01928	31.4
04	393	57821	105062	572486	24	the second s		D99 F57		23	3153	1	F03		930	01928	31.4
06	343	57821	105062	572486		and the second se		F57		222	3153	1	F03		930	01928	31.4
07	421	57821	105062	572486		49 713 50 713	and a local data and a lo	F57		224	3153	2	F03		930	01928	31.4
08	362	57821	105062	572486		27 315	and the second se	D99		241	3153	2	F03	and the second s	930	01928	
09	452	57822	105063	571538		28 315	the second s	F03	2	240	3153	1	F03	_	930	01928	
210	280	57821	105062	572486		18 713		F57	-	390	7139	1	F71 E79		930	01929	
11	265	57821	105062	572202		97 713	9 2	F57	-	421	3153 7139	1	E79	-	1930	01929	
100	116	57819	105000	572202	4	98 713 1#W-14	9 2	F57		416			1.1.1	-			
6 A 44		57819	4/36/30/11				and the second se				10						

Texas Steel Conversion, Inc.

Drill Pipe Traceability Log

FORM WW-14 EFF DATE 08-03-1 REV #3

			Shop Order # nil Pipe	05//01160						String # 11					
DP	Hant Treat		at Heat Treat	Pipe Mill	Pin T	Tool Joint		E	Weld-Lin Box Tool J				and the second		
Conil	Joint		TSC				and the		1	versite.	Weid	2-57-0-CH	Weld Lot Test #	Finished	10
Pipe .	Serial #	Lot #	Test# 105062	Heat # 572486	Serial # 436	Heat Co 7139 1		Serial #	the second se	NAL Code	P	in	Box	Tally	
356	306		105062	572486	435	7139 1 3153 1	F67 D99	81	8 7139	2 F	71 01	930	01928	31.36	1
357	430	57821	105062	572486	442	7139 1	P57	11				930 930	01928	31.36	1
358	439	57822	105063	571538	443	3153 1	D/99	7	5 7139	2 1	F71 01	930	01928	31.44	-
359	243	57820	105061 105062	672202 672486		7139 1	F57	7	0 3153	2 1	E79 01	930	01928	31.38	1
360 361	267	57821	105062	572486		7139 1 3153 1	F57 F03	10	04 7139	2	F71 01	1930	01928		1
362	341 451	and the second s	105063	571538	401	7139 1	F03	10				1930	01928	the second se	1
363	367	67821	105062	572486	406	7139 1	F57	10	00 7139	9 2	F71 0	1930	0192	8 31.37	
364	285	57821	105062	572486	402	7139 1	F57	10	06 7139	9 2	F71 0	1930	0192	8 31.35	
365 366	338	57821	105062	572486		7139 1	F57	1	85 713	9 2	F71 0	1930	0192	8 31.38	
367	293	57821 57821	105062	572486 572486		7139 1 7139 1	F57		03 315 98 713			1930	0192		
365	262 357	57821	105062	572486	409	7139 1	F57		98 713 82 315			01930	the second se	28 31.3	8
369	357	57820	105061	572202	429	7139 1	F57	1	10 713	19 2	F71	01930	019	28 31.3	5
370 371	455	57822	105063	571538	430	7139 1	F57	7 1	09 713	39 2	F71	01930	019	28 31.4	and the second se
371	319	57821	105062	572486	381	7139 1	F67	7	9 315	53 1	E79	01930	019		
373	428	57821	105062	572486	385	7139 1			27 315	53 2	and the second second second	01930		of the local division in which	
374	126		105060	572202 571538	387	7139 1 7139 1	F57 F57		25 315			01930	and the second division of the second divisio	928 31.	42
375	454	57822 57819	105063	571538	383	7139 1	F5		7 31			01930	0 01	928 31.	37
376	96 463	57819	105063	571538	390	7139 1	1 F5		22 31	53 1	E79	0193	0 01	928 31	39
377	463	57821	105062	572486	382	7139 1	1 F5	7	4 31	53 2	E79	0193	0 01	928 31	42
378 379	432	57822	105063	571538	389	7139 1	1 F5	7	23 31	53 1	E79	0193	0 01	and the second data was not second as a second data was not second as a second data was not second as a second	46
379	311	57821	105062	572486	445	7139 1	1 F5	7	74 71	39 2	F71	0193	the state of the s	the second s	.41
380	364	57821	105062	572486	412	7139 1	1 F5	7		39 2	F71	0193	the second s		1.44
382	313	57821	105062	572486	416	7139	1 F5			139 1 139 2	F71 F71	0193	the second se	1928 3	1.44
383	401	57821	105062	572486 572486	414	7139 7139	1 F5 1 F5			139 2 139 2	F71	019	Contraction of the local division of the loc	1928 3	1.41
384	426	57821 57821	105062	572486	417	7139	1 F5			139 2	F71	019	30 0	1928 3	1.41
385	359	57821	105062	572202	420	7139	1. F5	57	73 7	139 2	F71	019	30 0	1928 3	31.37
386	355	57821	105062	572486	418	7139	1 F5	57	86 7	139 2	F71	019	30 4	and the second design of the s	31.44
387 388	174	57820	105061	572202	421	7139	1 F5	57	84 3	153 2	E79	019		And the second se	31.38 31.38
388	150	57820	105061	572202	370	3153	2 FC	03	45 7	139 2	F71		the second s	Name of Concession, name of Street, or other	31.38
389	296	57821	105062	572486	395			57		153 2	E79	and the second s			31.42
391	418	57821	105062	572486	399	7139		57		3153 2	E79		930 930	01928	31.35
392	153	57820	105061	572202	396			57	the second se	3153 1 3153 2	E79 E79		930	01928	31.44
393	323	57821	105062	572486	369	state of the local division of the local div		03		3153 2 3153 2	E79	the second s	930	01928	31.37
394	259	57820	105061	572202	367			03 57		3153 Z 3153 1	E79	and the second se	1930	01928	31.48
395	318	57821	105062	572486	398 368	7139 3153		03		7139 2	F7	the second second	1930	01928	31.39
396	410	57821	105062	572486	368	and the second se	2 F	57		3153 2		_	1930	01928	31.45
397	388	57821	105062	572486 572202	376	the second s		03		3153 1	FO	Concession of the local division of the loca	1930	01928	31.45
398	189	57820	105061	572486	388	7139		57		3153 1	E7	9 0	1930	01928	31.38
399	300	57821	105062	572486	392	7139		-57	20	3153 2	? E7	9 0	1930	01928	31.36
400	361	57821	105062	572486	378	And and an other days and the second s		F57		3153 2	2 E7	79 0	01930	01928	31.40
\$01	366	57821	105062	572202	393	7139		F57	19	3153 3	2 E7	79 (01930	01928	31.43
102	224	57820	105061	572202	400	7139	1 1	F57	108	7139	2 F	71 0	01930	01928	31.39
103	210	57820	105061	572202	391	7139	1 1	F57	21	3153			01930	01928	31.40
104	237	57820	105061	572486	372	3153	2	F03	43	3153			01930	01928	31.39
105	303	57821	105062	572486	373	3153	2	F03	42	the second se			01930	01928	31.37
06	331	57821	105062	572486	377	7139	1	F57	30	3153	1 E		01930	01928	31.38
07	345	57821	105062	572202	371	3153	3	F03	44	7139		71	01930	01928	31.47
80	254	57820	105061	572202	375	And in case of the local division of the loc		F57	40	7139		71	01930	01928	31.32
09	1	57819		572202	374		1	F57	41	3153		E79	01930	01928	31.37
10	17	57819	105060	572202	449	Concession of the local division of the loca	1	F57	117	7139	and the second s	F71	01930	01928	31.40
11	68	57819	105060	572202	173	And in case of the local division of the loc	1	F03	375	3153	and the second se	F03	01930	01929	
12	18	57819	105060	572486	425	other design and the second seco	1	F57	115	7139		F71	01930	01928	
13	308	57821	105062		448	The other Designation of the local division of the local divisiono	1	F57	69	7139	2	F71	01930		the second s
14	420	57821	105062	572486	448	and the second division of the second divisio	1	F57	114	7139	2	F71	01930	and the second division of the second divisio	ACCORDING TO A DESCRIPTION OF THE OWNER.
15	376	57821	105062	572486	and the second se	and the second division of the second divisio	1	F57	77	7139	2	F71	01930	Statement Street Statement Street Stree	and the second se
161	424	57821	105062	572486	439	and the second division of the second divisio		F57	111	7139	2	F71	01930	0192	
	the second s	57821	105062	572486	427	the second s		F57	113	A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER	2	F71	01930	0192	8 31.3
17	320		105060	572202	428	And in case of the local division of the loc	1	F03	78		2	F71	01930	0 0192	8 31,
17	320	57819	And in case of the local division of the loc	572486	437	and the second se	1		6	a second s	1	E79	the second day of the	And in case of the local division of the loc	the planets of the second second second
17	COLUMN TWO IS NOT THE OWNER.	57819	105062		0.0.4	7139	1	F57	the second se	And in case of the local division of the loc				the local division of	the second se
16 17 18 19 20	120		105062 105063	571538		the second se		TO BE	4.0	1.446.4	1	10.00	0193	0 0 013	28 31
17 18 19	120 312 445	57821 57822	And in case of the local division of the loc		353	3153		F03	15		2	E79 E79	and the second se	And in case of the local division of the loc	Contraction of the local division of the
17 18 19 20	120 312 445 271	57821 57822 57821	105063	571538	353 354	3 3153 4 3153	2	F03	33	3153	2	E79	0193	0 019	28 31
17 18 19 10 11	120 312 445 271 441	57821 57822 57821 57822	105063 105062 105063	571538 572486	353 354 352	3 3153 4 3153 2 3153	2	F03 F03	33 16	3153 3153	2	E79 E79	0193	0 019	28 31 28 31
17 18 19 10 11 22 3	120 312 445 271 441 309	57821 57822 57821 57822 57822 57821	105063 105062 105063 105062	571538 572486 571538	353 354 352 356	3 3153 4 3153 2 3153 5 3153	2	F03 F03 F03	33 16 32	3153 3153 3153 3153	2 1 2	E79 E79 E79	0193 0193 0193	0 019 0 019 30 019	28 31 28 31 28 31
7 8 9 0 1 2	120 312 445 271 441	57821 57822 57821 57822	105063 105062 105063	571538 572486 571538 572486	353 354 352	3 3153 4 3153 2 3153 5 3153	2 3	F03 F03	33 16	3153 3153 3153 3153 3153	2 1 2 2 2	E79 E79	0193 0193 0193 0193 0193	0 019 0 019 30 019 30 019	28 31 28 31 28 31 28 3 28 3

FORM #W-14 EFF DATE 08-03-1 REV #3

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Texas Steel Conversion, Inc. Drill Pipe Traceability Log

			Shop Order #	057/01160	D				Custo	omer Strin	ng#	116D	2000		
			Pipe		finance and		10.00	- Tyz	N	/eld-Line	1000				
DP	1.000	Heat Treat	Marine U Statistics	Pipe Mill	Pin 	Tool Jo	int		Box 1	Tool Joir			Weld Lot Test #	Weld Lot Test#	Finished Tally
pe	Joint	Lot#	Test#	Heat #	Serial #	Hea	t Cod	e	Serial #	Heat	Code	-	Pin	Box	31.35
-	Serial # 287	57821	105062	572486	351	3153	2	F03	197	3153	1	F03	01930	01928	31.35
427	408	57821	105062	572486	358	3153	1	F03	34	3153	2	E79	01930	01928	And in case of the local division of the loc
428	176	57820	105061	572202	359	3153	2	F03	35	3153	2	E79	01930	01928	31.33
429	35	57819	105060	572202	361	3153	1	F03	29	3153	2	E79	01930	01928	31.40
430	436	57822	105063	571538	362	3153	2	F03	28	3153	2	E79	01930	01928	31.46
431	the second se	57821	105062	572486	346	3153	2	F03	200	3153	1	F03	01930	01928	31.39
432	269	57821	105062	572486	363	3153	2	F03	5	3153	1	E79	01930	01928	31.38
433	292	57820	105061	572202	340	3153	1	F03	206	3153	1	F03	01930	01928	31.36
434	239	and the second se	105062	572486	338	3153	4	F03	and the second se	3153	1	F03	01930	01928	31.38
435	398	57821	105062	572202	334	3153	2	F03	and the second division of the second divisio	3153	1	F03	01930	01928	31.38
436	261	57820	the second se	572486	397	7139	4	F57	and the second se	3153	1	E79	01930	01928	31.42
437	379	57821	105052	the second se		the second se	2	F03		3153	2	E79	01930	01928	31.47
438	447	57822	105063	571538	360	3153	4			3153	1	E79	01930	01928	31.41
439	336	57821	105062	572486	394	7139	1	F57		7139	1	F71	and the second design of the s	01928	31.34
440	235	57820	105061	572202	365	3153	2	F03		3153	1	F03	and the second division of the second divisio	01928	31.34
441	301	57821	105062	572486	343	3153	2	F03	and the second design of the s	3153	4	F03	and the second se	01928	31.38
442	70	57819	105060	572202	335	3153	1	F03		Statement and a statement of the local division of the local divis	1	FO	and the second design of the s	and the second se	
443	226	57820	105061	572202	336	3153	1	F03		3153	4	F7	the second se		
144	175	57820	105061	572202	366	3153	2	F03	the second s	7139	2	E7	the second se		
445	444	57822	105063	571538	364	3153	2	F03	and the second se	3153	2		the second s		and the second division of the second divisio
446	294	57821	105062	572486	337	3153	2	FOS	3 213	3153	1	FO	3 01930	01520	0110

MANUFACTURER/PROCESSOR OF OIL COUNTRY TUBULAR GOODS

MATERIAL CERTIFICATION

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

TOME	R: TSC QUAD	DRIL	L PIP ORADO	E/ DRIL	L					so#	057	/01161	D		
t ST	4.00 IU 1	0x0.3	30		GRAI PO# MFG.	DE PROC		.35 2013-04 4LS	436	MILI	TREA : TSC : API (La	/C.E.	KING		
	TEST# 105060 105061 105062 105063			# JTS 130 131 170 33			5 5 5	EAT # 72202 72202 72486 71538		(COT # 057819 057820 057820 057820) 1			
C .27 .26 .27	<u>Si</u> .21 .20 .18	<u>Mn</u> .87 .89 .88	P .005 .007 .006	<u>S</u> .002 .001 .003	<u>Cr</u> .93 .94 .94	<u>Mo</u> .39 .40 .39	<u>Ni</u> .11 .09 .09	V .005 .004 .005	<u>A1</u> .034 .034 .035	<u>Nb</u> .001 .001 .001	<u>Sn</u> .009 .009 .009	Ti .038 .032 .035	Cu .12 .13 .13	<u>Ca</u>	 .0014 .0015

B. Cox

DATE

ality

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

License # 5CT-0207 License # SCT-0207 1 License # SDP-0092 License # SDP-0092 License # SDP-0070 License # 7-1-0829 4

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P.O. Box 218 • Woodward, OK 73802 Office: (580) 256-5738 • Fax: (580) 256-9238	DRILL PIPE INSPECTION SUMMARY	THIS IS NOT AN INVOICE
DATE <u>5-21-14</u> OIL CO. <u>JEC Operating</u> LEASE <u>Palme</u> 1-35 DRILLING CO. <u>Sprandle</u>	FIELD INVOICE # INSPECTOR <i>orado</i> n: _4 ⁿ x 5/35 x 14.0	RIG NO. 2
<u>255</u> Premium (Ready to I (Class 2P)	6	Connections Field Refaced Pins Boxes
Premium (Field Repa (Class 2P)	nirable)	 Pins/Boxes Needing Lathe Refaced Need Tool Joint Hard Banding Need Straightened
O Premium (Shop Repa (Class 2P)	airable)	Pins Needing Recut Boxes Needing Recut
O Premium (Non-Repa	irable)	Pins w/Short Tong Space or OD Wear Boxes w/Short Tong Space or OD Wear
O Class 2 - Yellow Band	Reason:	
Class 3 - Orange Band	d Reason:	
Class 4 - Red Band	Reason:	
mments:		
tic Coating Condition: Exceller	nt 🗆 Good 🖒	Fair Poor

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

DATE 3/26/15

CORROSION TEST REPORT

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./FT2/YR
	Corrosion Rate 42.066 MPY
H2S Presence NEG	Corrosion Type GENERAL
	Appearance: GOOD Corrosion Chemicals In Use: CC-110
Coupon Deposit Analysis	 (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 -31/2" 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	In	spected at	RIG LOCATION						
Rig Name	QUAD 1		STATISTICS STATISTICS	In	spection Unit	3					
Well Location	ALVA		all and the second	Jo	b Spec	DS-1 CAT4					
Customer Order	# 0	100 M 10 10 10 10 10			JOHN SIMON	12 marshe	3				
	DI TI SAV	A STATE OF A STATE	Inspected By	2		TITLE SAL	4				
	Inches	1000000	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	Her States		2	11		
Grade	S-135	Min Box Shlo	d 0.25		Max Pn Flt Ler	n		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	N TONI LATAN		6	15		
0% Wall					Min Pin TS	4	1	7	16		
0% Wall	0.264				Drift Size	1 2 3 1 4 2		8	17		
0% Wall		The second second				Marine State		9	18		

TOTAL JOINTS INSPECTED 306

	La trail	A State of the state of the		TUBES & TOOL JOINTS
Tub	es	Downgraded T	ool Joints	Downgraded Joints' SNs
Premium	296	Pins		Though the start was a finish school of the second s
Yellow	9	Boxes		
Orange	0		4.3.4	
Red	1	11 1 1 1 1 1 1 1 1 1 1		
Total downg	raded joi	ints (Final Class)	10	

MACHINE SHOP REPAIRS									
Connections	Damage	Reface	Cro	oked	Hardbands				
Pins	27	22	Bowed	4	Pins				
Boxes	33	26	Hooked		Boxes	29			
and the second		10 10 10	Cork Screwed	- In	Constant South	Call State Inst			
TOTALS	ALC: NEW!			4		29			

WORK READY JOINTS	238	
DINTS NEEDING MACHINE SHOP REPAIR	58	
DWNGRADED JOINTS (NOT TO BE USED)	10	

COMMENTS:

-			Shop Order # Pipe		version,				Customer Weld-	r String # 1						
IDP_	Hant Treat		Heat Treat	Pipe Mill	Pin	Tool Joint			Box Too			Weld Lot	Weld L	ot		
Hill	Joint		TSC		Inner			Law 10	1			Test#	Test #		inished Tally	
pe	Serial #	Lot #	Test#	Heat #	Serial #	Heat Co	and the second se	Senal		Heat Code		Pin 1845	Box 0184	5	31.40	
214	282	57686	104181	571539 571539	279	3153 2 3153 2	F03		04 315	and the second se	E79 E79	1845	and the second se	_	31.51	
215	323	57686 57686	104181	571539	278	3153 2	F03		06 31		E79	1845	the second s	6	31.44	
216	248 274	57686	104181	571539	326	3153 2	F03		177 31		E79	1845		and the second s	31.48	
217 218	277	57686	104181	571539	264	3153 2	F03		173 31		E79	1845			31.46	1
219	154	57686	104181	571539 570837	148	3153 3 3153 3	F03			53 1 53 1	E79 E79	184	and the second se		31.46	1
220	86	57684 57685	104179	571506	140	3153 3 3153 3	F03			153 2	E79	184	5 018		31.39	1
221	125	57686	104181	571539	154	3153 3	F03			153 2	E79	184		and the second se	31.40 31.48	1
222 223	94	57684	104179	570837	145	3153 3	F03			153 1	E79	184			31.41	1
224	178	57686	104181	571539	157	3153 3	F03			153 1 153 1	E79 E79	And in case of the local division of the loc	the second division of	and the second se	31.46	1
225	151	57685 57686	104180	571506 571539	83 156	3153 2 3153 3	F03			153 1	E79		45 01	846	31.43	4
226	190 242	57686	104181	571539	255	3153 2	FO			153 1	E79		the second day of the	846	31.43	-
227	85	57684	104179	570837	123	3153 3	FO	3		153 2	FOS		the second se	846 846	31.54	-
229	106	57684	104179	570837	121	3153 3		in the second		153 2	F03		1.00	846	31.41	_
230	207	57686	104181	571539	236	3153 3		the second division of		153 1	E7			846	31.43	
231	204	57686	104181	571539 571539	232	3153 3 3153 3				153 1	E7			1846	31.40	
232	284 184	57686 57686	104181	571539	231	3153 3				3153 1	E7	9 18	And in case of the local division of the loc	1846	31.46	
233	257	57686	104181	571539	219	3153 3	FO	13	82 3	3153 1	E7		the second se	1846		
234 235	206	57686	104181	571539	211	3153 3			the second se	3153 1	E7			1846		
235	124	57685	104180	571506	212	3153 3				3153 1 3153 1	E	the second se		1846	31.4	2
237	186	57686	104181	571539	238	3153 3 3153 3				3153 1			845 0	1846	31.3	
238	187	57686	104181 104181	571539 571539	239	3153 3				3153 1	E	79 1	845	01848	and the second se	
239	239 231	57686 57686	104181	571539	241	3153 3				3153 1		and the second division of the second divisio	and in case of the local division of	01846	the second s	
240	215	57686	104181	571539	242	3153 3			the second se	3153 1			and the owner where the owner where	0184	Concession in the local division in the loca	
241 242	61	57684	104179	570837	82	3153 2		03	and the second se	3153 1				0184	And in case of the local division of the loc	
243	110	57684	104179	570837	85			03		3153 1 3153 1		the second se	1845	0184		.44
244	62	57684	104179	570837	86	and the second se		03	214	3153 1			1845	0184	16 31	.40
245	213	57686	104181	571539 571539	250	And and a second se		03	209	3153 1			1845	0184	the second s	50
246	276	57686 57686	104181 104181	571539	251	and the second se		03	213	3153 1		E79	1845	018		.42
247	194 251	57686	104181	571539	271			03	212	3153 1		E79	1845	018		1.48
248	311	57686	104181	571539	275	3153		03	208	3153 1		E79	1845	018	and the second division of the second divisio	1.37
249 250	212	57686	104181	571539	204	and the second se		03	42	3153 1		F03	1845	018	and the second se	1.42
251	202	57686	104181	571539	243			03	74	3153 1		E79 F03	1845	018	And in case of the local division of the loc	1.38
252	191	57686	104181	571539	245			03	72	3153 1 3153 1	1	F03	1845			31.47
253	295	57686	104181	571539	246	Concession of the local division of the	and the second se	F03	70	the second s	1	F03	1845	the second s		31.45
254	249	57686	104181	571539	247	the second s		F03	69		1	F03	1845	01		31.41
255	244	57686	104181	571539 571539	220	and the local of the local division of the l		F03	68		1	F03	1845	01		31.42
256	205	57686	104181	571539	222	and the second se		F03	67		1	F03	1845		and the second se	31.41
257	233	57686	104181 104181	571539	225	the subscription of the local division of th		F03	65	3153	1	F03	1845		1846	31.46
258	325	57686 57686	104181	571539	and the second se	and the second se		F03	64		1	F03	1845		1846	31.42
259	289 327	57686	104181	571539	22		3	F03	63		1	F03	1845		1846	31.45
260	334	57686	104181	571539	22			F03	62		1	F03	1845		1846	31.48
262	147	57685	104180	571506	8		3	F03	93	0100	1	E79	1845	_	1846	31.40
263	166	57686	104181	571539	8		3	F03	92	0100	1	E79 E79	184	_	01846	31.43
264	172	57686	104181	571539			3	F03	91		1	E79	184	_	01846	31.50
265	59	57684	104179	570837			2	F03	89 88	the second se	1	E79	184	ر المحتمد المحتم	01846	31.3
66	196	57686	104181	571539			3	F03	90	the second se	1	E79	184	_	01846	31.4
267	152	57685	104180	571506		the second se	2	F03	87		1	E79	184	_	01846	31.4
68	210	57686	104181	571539			3	F03	32		2	E79	184	the second second	01846	31.5
69	53	57683	104178	571127			3	F03	30	the second s	1	F03	18-		01846	31.4
70	306	57686	104181	571539		And in case of the local division of the loc	3	F03	29		1	F03	18	and the second diversion of th	01846	31.
71	200	57686	104181	571539		and the owner where the second se	3	F03	20	and a subscription of the	2	E79		45	01846	31
72	230	57686	104181	571539		and the second se	3	F03	2	the second se	1	F03		45	01846	31.
73	253	57686	104181	571539	states and states	And in case of the local division of the loc	3	F03	2	and the second se	2	E79		45	01846	31
74	179	57686	104181	571539		the same in the local division of the same state	3	F03		5 3153	2	E79	the second s	345	01846	31
75	255	57688	104181	571539		solution in concession of the local division	3	F03		4 3153	1	F03		845	01846	31
76	199	57686	104181	571539		and the summaries of the local division of t	3	F03		2 3153	1	F03		845	01846	31
77	221	57686	104181	571539	and a second	the second se	3	F03		3153		F03		845	01846	3
78	198	57686	104181	571539		3153	3	F03		50 3153	1	F03		845	01846	3
79	280	57686	104181	571539		3153	3	F03		49 3153	1	F03		845	01846	
80	250	57686	104181	571539		97 3153	3	F03		48 3153		F03		845		
01	262	57686	104181	571539		99 3153		F03		47 3153		F03		1845	A Research and other being the of	
82	211	57686	104181	571539		00 3153	and the second division of the second divisio	F03		46 315				1845		
	195	57686	104181	571539		And in case of the local division in which the local division in which the local division in the local divisio					2. 1	FO.	31	1845	0184	
4	330	57686	104181	571539	1	01 3153	3	F03		45 315	2	5 M		I COMPANY	0104	

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