

CUSTOMER :	PCSB	
WELL # :	SUMANDAK TENGAH B-19	TUBING SPECIFICATION: [MEASURED JOINTS]
DATE :	19-Jun-11	SIZE GRADE WEIGHT THREAD ON BOARD TO USE BALANCE
RIG :	TEKNIK BERKAT	3-1/2" L8013cr 9.2 PPF K-FOX 0
CUSTOMER REPS :	YUKSEL ISKIT/AZHAR MAMAT	4-1/2" L80 13cr 12.6 PPF JFE Bear 520 411 109
	FARIZWAN ARIF	IN USE PUP JT / X-OVER PUP JT INVENTORY:
HALLIBURTON REPS :	AMIS SULAIMAN/RAZALI SHABUDIN	P-4,P-5,P-15,
	MARSIDI HUSSAIN	
COMPLETION FLUID :	3% KCL + NaBr 10.0ppg	

Final

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	Elevation (13.55m)		13.054	13.05	13.05	0	REMARKS:				0
1	Single Tbg Hanger (LB 647)		0.496	13.55	13.55	0	MIN: 4860 - OPT: 5400 - MAX: 5940 FT-LBS				0
	15 FT PUP JT 4 1/2", 12.6# 13cr Fox P-P		4.397	17.95	17.95	0					0
	6' XO Pup Jt, 4 1/2" 12.6# 13cr Fox B-JFE Bear P		1.863	19.81	19.81	0					0
				19.81	19.81	0					0
	27 JTS 4.5" 12.6# L8013cr JFE Bear TBG			19.81	19.81	0					0
	1 / 27	20	9.600	29.41	29.41	0					1
	2 / 27	21	9.604	39.01	39.01	0					2
	3 / 27	22	9.604	48.62	48.62	0					3
	4 / 27	23	9.597	58.22	58.22	0					4
	5 / 27	24	9.602	67.82	67.82	0					5
	6 / 27	25	9.600	77.42	77.42	0					6
	7 / 27	26	9.605	87.02	87.02	2					7
	8 / 27	27	9.604	96.63	96.63	3					8
	9 / 27	28	9.586	106.21	106.21	4					9
	10 / 27	29	9.609	115.82	115.82	4					10
	11 / 27	30	9.587	125.41	125.41	5					11
	12 / 27	31	9.592	135.00	135.00	6					12
	13 / 27	32	9.593	144.59	144.59	7					13
	14 / 27	33	9.587	154.18	154.18	8					14
	15 / 27	34	9.587	163.77	163.77	9					15
	16 / 27	35	9.603	173.37	173.37	7					16
	17 / 27	36	9.604	182.97	182.97	7					17
	18 / 27	37	9.605	192.58	192.58	7					18
	19 / 27	38	9.599	202.18	202.18	7					19
	20 / 27	39	9.600	211.78	211.78	9					20
	21 / 27	40	9.594	221.37	221.37	9					21
	22 / 27	41	9.603	230.98	230.98	9					22
	23 / 27	42	9.585	240.56	240.56	10					23
	24 / 27	43	9.590	250.15	250.15	10					24
	25 / 27	44	9.024	259.17	259.17	10					25
	26 / 27	45	9.602	268.78	268.78	13					26
	27 / 27	46	9.603	278.38	278.38	13					27
				278.38	278.38	13					27
				278.38	278.38	13					27
				278.38	278.38	13					27
2	6' XO Pup Jt, 4 1/2" 12.6# 13cr JFE Bear B-FoxP		1.877	280.26	280.26	13					27
	6 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		1.886	282.14	282.14	13					27
	FLOW COUPLING (LB1046)		1.791	283.93	283.93	13					27
	SP TR-SCSSV (LB354) (Non-Equalizing)		2.322	286.26	286.26	13					27
	FLOW COUPLING (LB 1051)		1.789	288.04	288.04	13					27
	6 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		1.837	289.88	289.88	15					27
	6' XO Pup Jt, 4 1/2" 12.6# 13cr Fox B-JFE Bear P		1.987	291.87	291.87	15					27
				291.87	291.87	15					27
	336 JTS 4.5" 12.6# L8013cr JFE Bear TBG			291.87	291.87	15					27
	1 / 336	47	9.607	301.48	301.48	15					28
	2 / 336	48	9.585	311.06	311.06	15					29
	3 / 336	49	9.604	320.66	320.66	15					30
	4 / 336	50	9.604	330.27	330.27	15					31
	5 / 336	431	9.599	339.87	339.87	16					32
	6 / 336	52	9.603	349.47	349.47	16					33
	7 / 336	53	9.517	358.99	358.99	16					34
	8 / 336	54	9.556	368.54	368.54	16					35
	9 / 336	55	9.601	378.14	378.14	16					36
	10 / 336	56	9.602	387.75	387.75	17					37
	11 / 336	57	9.602	397.35	397.35	17					38
	12 / 336	58	9.603	406.95	406.95	17					39

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	13 / 336	59	9.602	416.55	416.55	19					40
	14 / 336	60	9.587	426.14	426.14	19					41
	15 / 336	61	9.587	435.73	435.73	19					42
	16 / 336	62	9.101	444.83	444.83	21					43
	17 / 336	63	9.604	454.43	454.43	21					44
	18 / 336	64	9.605	464.04	464.04	21					45
	19 / 336	65	9.603	473.64	473.64	23					46
	20 / 336	66	9.602	483.24	483.24	23					47
	21 / 336	67	9.590	492.83	492.83	23					48
	22 / 336	68	9.599	502.43	502.43	26					49
	23 / 336	69	9.603	512.03	512.03	26					50
	24 / 336	70	9.586	521.62	521.62	26					51
	25 / 336	71	9.600	531.22	531.22	30					52
	26 / 336	72	9.516	540.74	540.74	30					53
	27 / 336	73	9.586	550.32	550.32	30					54
	28 / 336	74	9.407	559.73	559.73	34					55
	29 / 336	75	9.587	569.32	569.32	34					56
	30 / 336	76	9.590	578.91	578.91	34					57
	31 / 336	77	9.587	588.49	588.49	34					58
	32 / 336	78	9.602	598.10	598.10	37					59
	33 / 336	79	9.603	607.70	607.70	37					60
	34 / 336	80	9.602	617.30	617.30	41					61
	35 / 336	81	9.588	626.89	626.89	41					62
	36 / 336	82	9.585	636.47	636.47	41					63
	37 / 336	83	9.588	646.06	646.06	41					64
	38 / 336	84	9.602	655.66	655.66	41					65
	39 / 336	85	9.604	665.27	665.27	43					66
	40 / 336	86	9.602	674.87	674.87	43					67
	41 / 336	87	9.596	684.47	684.47	41					68
	42 / 336	88	9.603	694.07	694.07	41					69
	43 / 336	89	9.603	703.67	703.67	41					70
	44 / 336	90	9.602	713.27	713.27	42					71
	45 / 336	91	9.603	722.88	722.88	42					72
	46 / 336	92	9.604	732.48	732.48	42					73
	47 / 336	93	9.608	742.09	742.09	45					74
	48 / 336	453	9.605	751.69	751.69	45					75
	49 / 336	95	9.606	761.30	761.30	45					76
	50 / 336	96	9.587	770.89	770.89	48					77
	51 / 336	97	9.598	780.48	780.48	48					78
	52 / 336	98	9.604	790.09	790.09	48					79
	53 / 336	99	9.600	799.69	799.69	52					80
	54 / 336	100	9.607	809.30	809.30	52					81
	55 / 336	101	9.587	818.88	818.88	52					82
	56 / 336	102	9.602	828.48	828.48	54					83
	57 / 336	103	9.604	838.09	838.09	54					84
	58 / 336	104	9.594	847.68	847.68	54					85
	59 / 336	105	9.591	857.27	857.27	57					86
	60 / 336	106	9.605	866.88	866.88	57					87
	61 / 336	107	9.602	876.48	876.48	57					88
	62 / 336	108	9.601	886.08	886.08	59					89
	63 / 336	109	9.603	895.68	895.68	59					90
	64 / 336	110	9.602	905.29	905.29	59					91
	65 / 336	111	9.602	914.89	914.89	62					92
	66 / 336	112	9.602	924.49	924.49	62					93
	67 / 336	113	9.604	934.09	934.09	62					94
	68 / 336	114	9.602	943.70	943.70	66					95
	69 / 336	115	9.602	953.30	953.30	66					96
	70 / 336	116	9.606	962.90	962.90	66					97
	71 / 336	117	9.600	972.50	972.50	70					98
	72 / 336	118	9.592	982.10	982.10	70					99
	73 / 336	119	9.604	991.70	991.70	70					100
	74 / 336	120	9.605	1001.31	1001.31	72					101
	75 / 336	121	9.602	1010.91	1010.91	72					102
	76 / 336	122	9.413	1020.32	1020.32	72					103
	77 / 336	123	9.507	1029.83	1029.83	76					104
	78 / 336	124	9.504	1039.33	1039.33	76					105
	79 / 336	125	9.603	1048.93	1048.93	76					106
	80 / 336	126	9.515	1058.45	1058.45	76					107
	81 / 336	127	9.605	1068.05	1068.05	76					108

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	82 / 336	128	9.600	1077.65	1077.65	76					109
	83 / 336	129	9.601	1087.26	1087.26	76					110
	84 / 336	130	9.602	1096.86	1096.86	76					111
	85 / 336	131	9.602	1106.46	1106.46	76					112
	86 / 336	132	9.591	1116.05	1116.05	75					113
	87 / 336	133	9.601	1125.65	1125.65	78					114
	88 / 336	134	9.503	1135.15	1135.15	78					115
	89 / 336	135	9.602	1144.76	1144.76	78					116
	90 / 336	136	9.607	1154.36	1154.36	79					117
	91 / 336	137	9.588	1163.95	1163.95	79					118
	92 / 336	138	9.588	1173.54	1173.54	79					119
	93 / 336	139	9.603	1183.14	1183.14	79					120
	94 / 336	140	9.602	1192.74	1192.74	79					121
	95 / 336	141	9.588	1202.33	1202.33	79					122
	96 / 336	142	9.606	1211.94	1211.94	79					123
	97 / 336	143	9.602	1221.54	1221.54	79					124
	98 / 336	144	9.601	1231.14	1231.14	77					125
	99 / 336	145	9.589	1240.73	1240.73	77					126
	100 / 336	146	9.602	1250.33	1250.33	77					127
	101 / 336	147	9.604	1259.94	1259.94	77					128
	102 / 336	148	9.600	1269.54	1269.54	77					129
	103 / 336	149	9.601	1279.14	1279.14	77					130
	104 / 336	150	9.602	1288.74	1288.74	77					131
	105 / 336	151	9.601	1298.34	1298.34	77					132
	106 / 336	152	9.587	1307.93	1307.93	77					133
	107 / 336	153	9.587	1317.51	1317.51	77					134
	108 / 336	154	9.600	1327.11	1327.11	77					135
	109 / 336	155	9.592	1336.71	1336.71	77					136
	110 / 336	156	9.602	1346.31	1346.31	76					137
	111 / 336	157	9.602	1355.91	1355.91	76					138
	112 / 336	158	9.602	1365.51	1365.51	76					139
	113 / 336	159	9.497	1375.01	1375.01	76					140
	114 / 336	160	9.503	1384.51	1384.51	76					141
	115 / 336	161	9.505	1394.02	1394.02	76					142
	116 / 336	162	9.602	1403.62	1403.62	75					143
	117 / 336	163	9.602	1413.22	1413.22	75					144
	118 / 336	164	9.602	1422.82	1422.82	75					145
	119 / 336	165	9.604	1432.43	1432.43	75					146
	120 / 336	166	9.602	1442.03	1442.03	75					147
	121 / 336	167	9.579	1451.61	1451.61	75					148
	122 / 336	168	9.603	1461.21	1461.21	75					149
	123 / 336	169	9.495	1470.71	1470.71	75					150
	124 / 336	170	9.604	1480.31	1480.31	75					151
	125 / 336	171	9.593	1489.90	1489.90	75					152
	126 / 336	172	9.595	1499.50	1499.50	75					153
	127 / 336	173	9.442	1508.94	1508.94	75					154
	128 / 336	174	9.594	1518.53	1518.53	76					155
	129 / 336	175	9.592	1528.13	1528.13	76					156
	130 / 336	176	9.602	1537.73	1537.73	76					157
	131 / 336	177	9.603	1547.33	1547.33	76					158
	132 / 336	178	9.603	1556.93	1556.93	76					159
	133 / 336	179	9.590	1566.52	1566.52	76					160
	134 / 336	180	9.602	1576.13	1576.13	76					161
	135 / 336	181	9.592	1585.72	1585.72	76					162
	136 / 336	182	9.607	1595.33	1595.33	76					163
	137 / 336	183	9.604	1604.93	1604.93	76					164
	138 / 336	184	9.595	1614.52	1614.52	76					165
	139 / 336	185	9.447	1623.97	1623.97	76					166
	140 / 336	186	9.602	1633.57	1633.57	76					167
	141 / 336	187	9.577	1643.15	1643.15	76					168
	142 / 336	188	9.509	1652.66	1652.66	76					169
	143 / 336	189	9.603	1662.26	1662.26	75					170
	144 / 336	190	9.493	1671.76	1671.76	75					171
	145 / 336	191	9.600	1681.36	1681.36	75					172
	146 / 336	448	9.602	1690.96	1690.96	76					173
	147 / 336	436	9.604	1700.56	1700.56	76					174
	148 / 336	446	9.604	1710.17	1710.17	76					175
	149 / 336	195	9.605	1719.77	1719.77	76					176
	150 / 336	449	9.601	1729.37	1729.37	76					177
	151 / 336	197	9.594	1738.97	1738.97	76					178

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	152 / 336	198	9.590	1748.56	1748.56	76					179
	153 / 336	199	9.122	1757.68	1757.68	76					180
	154 / 336	200	9.601	1767.28	1767.28	76					181
	155 / 336	201	9.605	1776.88	1776.88	76					182
	156 / 336	202	9.600	1786.48	1786.48	76					183
	157 / 336	203	9.033	1795.52	1795.52	76					184
	158 / 336	204	9.600	1805.12	1805.12	75					185
	159 / 336	205	9.600	1814.72	1814.72	75					186
	160 / 336	206	9.520	1824.24	1824.24	75					187
	161 / 336	207	9.519	1833.76	1833.76	75					188
	162 / 336	208	9.521	1843.28	1843.28	75					189
	163 / 336	209	9.512	1852.79	1852.79	75					190
	164 / 336	210	9.523	1862.31	1862.31	76					191
	165 / 336	211	9.603	1871.91	1871.91	76					192
	166 / 336	212	9.604	1881.52	1881.52	76					193
	167 / 336	213	9.595	1891.11	1891.11	76					194
	168 / 336	214	9.604	1900.72	1900.72	76					195
	169 / 336	215	9.603	1910.32	1910.32	76					196
	170 / 336	216	9.603	1919.92	1919.92	76					197
	171 / 336	217	9.597	1929.52	1929.52	76					198
	172 / 336	218	9.604	1939.12	1939.12	76					199
	173 / 336	219	9.602	1948.73	1948.73	76					200
	174 / 336	220	9.607	1958.33	1958.33	76					201
	175 / 336	221	9.598	1967.93	1967.93	76					202
	176 / 336	222	9.599	1977.53	1977.53	76					203
	177 / 336	223	9.598	1987.13	1987.13	76					204
	178 / 336	224	9.603	1996.73	1996.73	76					205
	179 / 336	225	9.606	2006.34	2006.34	75					206
	180 / 336	226	9.602	2015.94	2015.94	75					207
	181 / 336	444	9.601	2025.54	2025.54	75					208
	182 / 336	228	9.055	2034.60	2034.60	75					209
	183 / 336	229	9.603	2044.20	2044.20	75					210
	184 / 336	230	9.603	2053.80	2053.80	75					211
	185 / 336	231	9.598	2063.40	2063.40	75					212
	186 / 336	232	9.585	2072.98	2072.98	75					213
	187 / 336	233	9.607	2082.59	2082.59	75					214
	188 / 336	234	9.142	2091.73	2091.73	75					215
	189 / 336	235	9.592	2101.33	2101.33	76					216
	190 / 336	236	9.605	2110.93	2110.93	76					217
	191 / 336	237	9.603	2120.53	2120.53	76					218
	192 / 336	238	9.599	2130.13	2130.13	76					219
	193 / 336	239	9.589	2139.72	2139.72	76					220
	194 / 336	240	9.587	2149.31	2149.31	76					221
	195 / 336	241	9.587	2158.90	2158.90	76					222
	196 / 336	242	9.602	2168.50	2168.50	76					223
	197 / 336	243	8.992	2177.49	2177.49	76					224
	198 / 336	244	9.115	2186.60	2186.60	76					225
	199 / 336	245	9.596	2196.20	2196.20	76					226
	200 / 336	246	9.604	2205.80	2205.80	76					227
	201 / 336	247	9.603	2215.41	2215.41	76					228
	202 / 336	248	9.589	2225.00	2225.00	76					229
	203 / 336	249	9.602	2234.60	2234.60	76					230
	204 / 336	250	9.600	2244.20	2244.20	76					231
	205 / 336	251	9.603	2253.80	2253.80	76					232
	206 / 336	252	9.162	2262.96	2262.96	76					233
	207 / 336	253	9.588	2272.55	2272.55	76					234
	208 / 336	254	9.606	2282.16	2282.16	76					235
	209 / 336	255	9.604	2291.76	2291.76	76					236
	210 / 336	256	9.604	2301.37	2301.37	76					237
	211 / 336	257	9.604	2310.97	2310.97	76					238
	212 / 336	258	9.603	2320.57	2320.57	76					239
	213 / 336	259	9.602	2330.17	2330.17	76					240
	214 / 336	260	9.599	2339.77	2339.77	76					241
	215 / 336	261	9.593	2349.37	2349.37	76					242
	216 / 336	262	9.606	2358.97	2358.97	76					243
	217 / 336	263	9.604	2368.58	2368.58	76					244
	218 / 336	264	9.605	2378.18	2378.18	76					245
	219 / 336	265	9.605	2387.79	2387.79	76					246
	220 / 336	266	9.587	2397.37	2397.37	76					247

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	221 / 336	267	9.606	2406.98	2406.98	76					248
	222 / 336	268	9.591	2416.57	2416.57	75					249
	223 / 336	269	9.604	2426.17	2426.17	75					250
	224 / 336	270	9.592	2435.77	2435.77	75					251
	225 / 336	271	9.602	2445.37	2445.37	76					252
	226 / 336	272	9.602	2454.97	2454.97	76					253
	227 / 336	273	9.607	2464.58	2464.58	76					254
	228 / 336	274	9.602	2474.18	2474.18	76					255
	229 / 336	275	9.604	2483.78	2483.78	76					256
	230 / 336	276	9.604	2493.39	2493.39	76					257
	231 / 336	277	9.599	2502.99	2502.99	76					258
	232 / 336	278	9.602	2512.59	2512.59	76					259
	233 / 336	279	9.604	2522.19	2522.19	76					260
	234 / 336	280	9.603	2531.80	2531.80	76					261
	235 / 336	281	9.598	2541.39	2541.39	76					262
	236 / 336	282	9.603	2551.00	2551.00	76					263
	237 / 336	283	9.332	2560.33	2560.33	76					264
	238 / 336	284	9.604	2569.93	2569.93	76					265
	239 / 336	285	9.602	2579.53	2579.53	76					266
	240 / 336	286	9.602	2589.14	2589.14	76					267
	241 / 336	287	9.602	2598.74	2598.74	76					268
	242 / 336	288	9.594	2608.33	2608.33	76					269
	243 / 336	289	9.604	2617.94	2617.94	76					270
	244 / 336	290	9.603	2627.54	2627.54	76					271
	245 / 336	291	9.599	2637.14	2637.14	76					272
	246 / 336	292	9.606	2646.74	2646.74	76					273
	247 / 336	293	9.608	2656.35	2656.35	76					274
	248 / 336	294	9.603	2665.96	2665.96	76					275
	249 / 336	295	9.588	2675.54	2675.54	76					276
	250 / 336	296	9.607	2685.15	2685.15	76					277
	251 / 336	297	9.606	2694.76	2694.76	76					278
	252 / 336	298	9.595	2704.35	2704.35	75					279
	253 / 336	299	9.174	2713.53	2713.53	75					280
	254 / 336	300	9.604	2723.13	2723.13	75					281
	255 / 336	301	9.602	2732.73	2732.73	75					282
	256 / 336	302	9.602	2742.33	2742.33	75					283
	257 / 336	303	9.595	2751.93	2751.93	75					284
	258 / 336	304	9.607	2761.54	2761.54	75					285
	259 / 336	305	9.595	2771.13	2771.13	75					286
	260 / 336	306	9.602	2780.73	2780.73	75					287
	261 / 336	307	9.604	2790.34	2790.34	75					288
	262 / 336	308	9.606	2799.94	2799.94	75					289
	263 / 336	309	9.604	2809.55	2809.55	75					290
	264 / 336	310	9.602	2819.15	2819.15	75					291
	265 / 336	311	9.605	2828.75	2828.75	75					292
	266 / 336	312	9.604	2838.36	2838.36	75					293
	267 / 336	313	9.604	2847.96	2847.96	74					294
	268 / 336	314	9.601	2857.56	2857.56	74					295
	269 / 336	315	9.590	2867.15	2867.15	74					296
	270 / 336	316	9.588	2876.74	2876.74	75					297
	271 / 336	317	9.604	2886.34	2886.34	75					298
	272 / 336	318	9.605	2895.95	2895.95	75					299
	273 / 336	319	9.606	2905.56	2905.56	75					300
	274 / 336	320	9.602	2915.16	2915.16	75					301
	275 / 336	321	9.604	2924.76	2924.76	75					302
	276 / 336	322	9.604	2934.37	2934.37	75					303
	277 / 336	323	9.589	2943.95	2943.95	75					304
	278 / 336	324	9.604	2953.56	2953.56	75					305
	279 / 336	325	9.606	2963.16	2963.16	75					306
	280 / 336	326	9.602	2972.77	2972.77	75					307
	281 / 336	327	9.599	2982.37	2982.37	75					308
	282 / 336	328	9.602	2991.97	2991.97	75					309
	283 / 336	329	9.604	3001.57	3001.57	75					310
	284 / 336	330	9.602	3011.17	3011.17	75					311
	285 / 336	331	9.588	3020.76	3020.76	75					312
	286 / 336	332	9.603	3030.36	3030.36	75					313
	287 / 336	333	9.602	3039.97	3039.97	75					314
	288 / 336	334	9.604	3049.57	3049.57	75					315
	289 / 336	335	9.604	3059.17	3059.17	75					316

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	290 / 336	336	9.604	3068.78	3068.78	75					317
	291 / 336	337	9.017	3077.80	3077.80	75					318
	292 / 336	338	9.062	3086.86	3086.86	75					319
	293 / 336	339	9.582	3096.44	3096.44	75					320
	294 / 336	340	9.592	3106.03	3106.03	76					321
	295 / 336	341	9.601	3115.63	3115.63	76					322
	296 / 336	342	9.077	3124.71	3124.71	76					323
	297 / 336	343	9.603	3134.31	3134.31	76					324
	298 / 336	344	9.592	3143.90	3143.90	76					325
	299 / 336	345	9.590	3153.49	3153.49	76					326
	300 / 336	346	9.603	3163.10	3163.10	76					327
	301 / 336	347	9.605	3172.70	3172.70	76					328
	302 / 336	348	9.604	3182.31	3182.31	76					329
	303 / 336	349	9.604	3191.91	3191.91	76					330
	304 / 336	350	9.602	3201.51	3201.51	76					331
	305 / 336	351	9.602	3211.11	3211.11	76					332
	306 / 336	352	9.589	3220.70	3220.70	77					333
	307 / 336	353	9.593	3230.30	3230.30	77					334
	308 / 336	354	9.606	3239.90	3239.90	77					335
	309 / 336	355	9.592	3249.49	3249.49	77					336
	310 / 336	356	9.591	3259.09	3259.09	77					337
	311 / 336	357	9.486	3268.57	3268.57	77					338
	312 / 336	358	9.604	3278.18	3278.18	78					339
	313 / 336	359	9.599	3287.77	3287.77	78					340
	314 / 336	360	9.605	3297.38	3297.38	78					341
	315 / 336	361	9.596	3306.98	3306.98	79					342
	316 / 336	362	9.607	3316.58	3316.58	79					343
	317 / 336	363	9.599	3326.18	3326.18	79					344
	318 / 336	364	9.589	3335.77	3335.77	79					345
	319 / 336	365	9.602	3345.37	3345.37	79					346
	320 / 336	366	9.588	3354.96	3354.96	79					347
	321 / 336	367	9.602	3364.56	3364.56	80					348
	322 / 336	368	9.607	3374.17	3374.17	80					349
	323 / 336	369	9.286	3383.46	3383.46	80					350
	324 / 336	370	9.606	3393.06	3393.06	79					351
	325 / 336	371	9.592	3402.65	3402.65	79					352
	326 / 336	372	9.598	3412.25	3412.25	79					353
	327 / 336	373	9.600	3421.85	3421.85	79					354
	328 / 336	374	9.603	3431.45	3431.45	79					355
	329 / 336	375	9.600	3441.05	3441.05	79					356
	330 / 336	376	9.603	3450.66	3450.66	79					357
	331 / 336	377	9.600	3460.26	3460.26	79					358
	332 / 336	378	9.595	3469.85	3469.85	79					359
	333 / 336	379	9.604	3479.46	3479.46	79					360
	334 / 336	380	9.602	3489.06	3489.06	79					361
	335 / 336	381	9.587	3498.65	3498.65	79					362
	336 / 336	382	9.601	3508.25	3508.25	79					363
				3508.25	3508.25	79					363
3	6' XO Pup Jt,4 1/2"12.6#13cr JFE Bear B-Fox P		1.883	3510.13	3510.13	79					363
	6 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		1.830	3511.96	3511.96	79					363
	FLOW COUPLING (LB 482)		0.801	3512.76	3512.76	79					363
	4-1/2" SSD (LB 750)		1.350	3514.11	3514.11	79		ID	OD		363
	FLOW COUPLING (LB 483)		0.805	3514.92	3514.92	79		3.813	5.600		363
	6 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		1.848	3516.76	3516.76	79					363
	6' XO Pup Jt,4 1/2"12.6#13cr Fox B xJFE Bear P		1.850	3518.61	3518.61	79					363
				3518.61	3518.61	79					363
	2 JTS 4.5"12.6# L80 13cr JFE Bear TBG			3518.61	3518.61	79	Liner Hanger Assy ID: 6.188"				363
	1 / 2	383	9.582	3528.20	3528.20	79	9 5/8" RH PACKER OD = 8.380"				364
	2 / 2	384	9.604	3537.80	3537.80	80	MAX DEVIATION : 80.09 deg @ 3375.53 m MDDF				365
				3537.80	3537.80	80	7" 29 ppf CASING ID = 6.184"				365
4	6' XO Pup Jt,4 1/2"12.6#13cr JFE Bear B-Fox P		1.892	3539.69	3539.69	80	7" 26 ppf CASING ID = 6.276"				365
	12 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		3.705	3543.40	3543.40	80	9 5/8" 47.0 ppf CASING ID = 8.681"				365
	COUPLING, 12.6ppf, 13cr JFE BearB-B		0.242	3543.64	3543.64	80		ID	OD		365
	4-1/2"SLB SGM (LB 130)		1.640	3545.28	3545.28	80		3.813	5.600		365
	12 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		3.708	3548.99	3548.99	80					365
	6' XO Pup Jt,4 1/2"12.6#13cr Fox B-JFE Bear P		1.862	3550.85	3550.85	80					365
				3550.85	3550.85	79					365
	1 JT 4.5"12.6#L8013cr JFE Bear TBG			3550.85	3550.85	79					365
	1 / 1	385	9.595	3560.44	3560.44	79					366

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
				3560.44	3560.44	79					366
				3560.44	3560.44	79	TOP CSG COLLAR @ 3561.35M				366
5	6' XO Pup Jt, 4 1/2" 12.6# 13cr JFE Bear B-Fox P		1.892	3562.34	3562.34	79					366
	12 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		3.737	3566.07	3566.07	79					366
	COE to top Packer		0.942	3567.01	3567.01	79					366
	9 5/8" 40-47# RH Packer (LB104)			3567.01	3567.01	79					366
	Bottom Packer to COE		1.266	3568.28	3568.28	79					366
	12 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		3.736	3572.02	3572.02	79					366
	6' XO Pup Jt, 4 1/2" 12.6# 13cr Fox B x JFE Bear P		1.860	3573.88	3573.88	79					366
				3573.88	3573.88	79					366
	4.1/2" 12.6# 13cr JFE Bear Pup Jt (P-4)	4.627		3578.50	3578.50	79	BOT CSG COLLAR @ 3573.52M				366
	7 JTS 4.5" 12.6# L8013cr JFE Bear TBG			3578.50	3578.50	79		3.880	8.380		366
	1 / 7	386	9.606	3588.11	3588.11	79		ID	OD		367
	2 / 7	387	9.594	3597.70	3597.70	79					368
	3 / 7	388	9.599	3607.30	3607.30	79					369
	4 / 7	389	9.602	3616.90	3616.90	79					370
	5 / 7	390	9.604	3626.51	3626.51	79					371
	6 / 7	391	9.599	3636.11	3636.11	79					372
	7 / 7	392	9.017	3645.12	3645.12	79					373
				3645.12	3645.12	79					373
6	6' XO Pup Jt, 4 1/2" 12.6# 13cr JFE Bear B-Fox P		1.883	3647.01	3647.01	79					373
	12 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		3.676	3650.68	3650.68	79		ID	OD		373
	4-1/2" SSD (LB 751)		1.350	3652.03	3652.03	79		3.813	5.600		373
	12 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P		3.674	3655.71	3655.71	79					373
	6' XO Pup Jt, 4 1/2" 12.6# 13cr Fox B-JFE Bear P		1.992	3657.70	3657.70	79					373
				3657.70	3657.70	79					373
	4.1/2" 12.6# 13cr JFE Bear Pup Jt (P-15)	3.103		3660.80	3660.80	79					373
	2 JTS 4.5" 12.6# L8013cr JFE Bear TBG			3660.80	3660.80	79					373
	1 / 2	393	9.588	3670.39	3670.39	79					374
	2 / 2	394	9.132	3679.52	3679.52	79					375
				3679.52	3679.52	79					375
				3679.52	3679.52	79					375
7	XO Cplg, 4.1/2" 12.6# 13cr Fox B-JFE Bear B			3679.52	3679.52	79	4.5" Tbg Max OD (Coupling)=5.000"				375
	4 FT PUP JT 4 1/2", 12.6# 13cr Fox P-P	1.273		3680.80	3680.80	79		ID	OD		375
	RA MARKER SUB(LB038)	0.346		3681.14	3681.14	79		3.958	5.200		375
	6' XO Pup Jt, 4 1/2" 12.6# 13cr Fox B x JFE Bear P	1.879		3683.02	3683.02	79					375
				3683.02	3683.02	79					375
				3683.02	3683.02	79					375
	4.1/2" 12.6# 13cr JFE Bear Pup Jt (P-5)	4.635		3687.66	3687.66	79					375
				3687.66	3687.66	79					375
				3687.66	3687.66	79					375
	35 JTS 4.5" 12.6# L8013cr JFE Bear TBG			3687.66	3687.66	79					375
	1 / 35	395	9.589	3697.24	3697.24	79					376
	2 / 35	396	9.604	3706.85	3706.85	79					377
	3 / 35	397	9.606	3716.45	3716.45	79					378
	4 / 35	398	9.606	3726.06	3726.06	79					379
	5 / 35	399	9.599	3735.66	3735.66	79					380
	6 / 35	400	9.599	3745.26	3745.26	79					381
	7 / 35	401	9.587	3754.85	3754.85	79					382
	8 / 35	402	9.603	3764.45	3764.45	79					383
	9 / 35	403	9.603	3774.05	3774.05	79					384
	10 / 35	404	9.606	3783.66	3783.66	79					385
	11 / 35	405	9.591	3793.25	3793.25	79					386
	12 / 35	406	9.603	3802.85	3802.85	79					387
	13 / 35	407	9.603	3812.45	3812.45	79					388
	14 / 35	408	9.602	3822.06	3822.06	79					389
	15 / 35	409	9.604	3831.66	3831.66	79					390
	16 / 35	410	9.599	3841.26	3841.26	79					391
	17 / 35	411	9.600	3850.86	3850.86	79					392
	18 / 35	412	9.605	3860.46	3860.46	79					393
	19 / 35	413	9.602	3870.07	3870.07	79					394
	20 / 35	414	9.604	3879.67	3879.67	79					395
	21 / 35	415	9.597	3889.27	3889.27	79					396
	22 / 35	416	9.599	3898.87	3898.87	79					397
	23 / 35	417	9.603	3908.47	3908.47	79					398
	24 / 35	418	9.599	3918.07	3918.07	79					399
	25 / 35	419	9.604	3927.67	3927.67	79					400
	26 / 35	420	9.604	3937.28	3937.28	79					401
	27 / 35	421	9.605	3946.88	3946.88	79					402

Assy No	DESCRIPTION SINGLE STRING	JT NO.	Item Length	Final Depth	RIH Depth	Final Deg	DESCRIPTION	JT NO.	Item Length	RIH Deg	TBG RIH
	28 / 35	422	9.605	3956.49	3956.49	79					403
	29 / 35	423	9.602	3966.09	3966.09	79					404
	30 / 35	424	9.602	3975.69	3975.69	79					405
	31 / 35	425	9.597	3985.29	3985.29	79					406
	32 / 35	426	9.590	3994.88	3994.88	79					407
	33 / 35	427	9.603	4004.48	4004.48	79					408
	34 / 35	428	9.591	4014.07	4014.07	79					409
	35 / 35	429	9.604	4023.68	4023.68	79					410
				4023.68	4023.68	79	ID	OD			408
				4023.68	4023.68	79	3.885	5.960			410
				4023.68	4023.68	79					408
8	6' XO Pup Jt, 4 1/2" 12.6# 13cr JFE Bear BxFoxP	1.889	4025.56	4025.56	79	29# PUP JT: P-M, P-A					410
	4 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P	1.271	4026.84	4026.84	79	Top of 29# base pipe: 4018.35m					410
	COE to top Packer	1.155	4027.99	4027.99	79	NOTE: "AHC" PACKER: SETTING PIN @ 535 psi/pin (3 ea) = 1605 psi (OPT - STS) MINIMUM SET = 4190 psi RELEASE : By Chemical Cut					410
	7" AHC Packer Of COE (LB064)		4027.99	4027.99	79						410
	Bottom Packer to COE	1.000	4028.99	4028.99	79						410
	6 FT PUP JT 4 1/2", 12.6# 13cr Fox B-P	1.890	4030.88	4030.88	79						410
	FLOW COUPLING (LB 1055)	1.790	4032.67	4032.67	79						410
	4-1/2" SSD (LB 1222)	1.350	4034.02	4034.02	79						410
	FLOW COUPLING (LB 1053)	1.790	4035.81	4035.81	79	Bot of 29# base pipe: 4031.83m					410
	6' XO Pup Jt, 4 1/2" 12.6# 13cr Fox B x JFE Bear P	1.850	4037.66	4037.66	79	SWELL PACKER # SP-1 & P-O					410
	1 JT 4.5" 12.6# L80 13cr JFE Bear TBG		4037.66	4037.66	79						410
	1 / 1	430	9.604	4047.26	4047.26	79	ID	OD			411
				4047.26	4047.26	79	3.813	5.600			411
				4047.26	4047.26	79					411
9	6' XO Pup Jt, 4 1/2" 12.6# 13cr JFE Bear BxFoxP	1.890	4049.15	4049.15	79						411
	12ft Pup Jt 4.5" 12.6# 13cr Fox B-P	3.736	4052.89	4052.89	79	ID	OD				411
	Crossover 4.5" Fox bx 3.5" Fox p (LB207)	0.224	4053.11	4053.11	79	2.992	5.500				411
	15FT PUP JT, 3 1/2" 9.2# 13cr FOX B-P	4.582	4057.70	4057.70	79						411
				4057.70	4057.70	79					411
				4057.70	4057.70	79					411
				4057.70	4057.70	79					411
				4057.70	4057.70	79					411
				4057.70	4057.70	79	ID	OD			411
10	10FT PUP JT, 3 1/2" 9.2# 13cr FOX B-P	3.068	4060.76	4060.76	79						411
	2.813" XN NOGO NIPPLE (LB410)	0.425	4061.19	4061.19	79	2.813	3.960				0
	4FT PUP JT, 3 1/2" 9.2# 13cr FOX B-P	1.054	4062.24	4062.24	79						
	3 1/2" AUTOFILL SUB (LB085)	0.775	4063.02	4063.02	79	2.890	5.400				
	6 FT PUP JT, 3 1/2" 9.2# FOX B-P	1.849	4064.87	4064.87	79						
	3 1/2" MIRAGE PLUG (LB089)	1.530	4066.40	4066.40	79	2.880	5.400				
	10 FT PUP JT, 3 1/2" 9.2# 13cr L80 FOX B-P	3.064	4069.46	4069.46	79	2.940	3.870				
	3 1/2" SELF ALIGN MULE SHOE (LB 048)	0.914	4070.38	4070.38	79						
				4070.38	4070.38	79					
						79					
	DPOB		4148.20			79					
	FLOAT SHOE		4158.00			79					
						79					
	TD 9.0" HOLE	4326.00 M				79					
	TD 8.5" HOLE	4364.00 M				79					

CONTROL LINE PROTECTOR USED = 372 EA