

**TALLY**

DRILLING SERVICES

SURVEY REPORT

Nov 29 2021 07:29



Well Name: UL JEFF EAST C 17-27-5 TB 3H API: 42475381370000 Service Company: Tally Drilling Services Operating Company: Percussion Petroleum II, LLC Rig: Unit 407 Job No: M21275						Field: Phantom (Wolfcamp) Location: Pyote County: Ward State: Texas Country: USA VS Azimuth: 259.87 Latitude: 31.603038 N Longitude: 103.208590 W Comments:					
Datum: NAD 1927 (NADCON CONUS) Projection: US State Plane 1927 (Exact solution) Total Correction: 8.28 Grid Convergence: -1.48 ° Magnetic Declination: 6.80 ° North Reference: Grid											
SVY	MD	Inclination	Azimuth	DLS/100'	TVD	N-S	E-W	Length	Vert Sect	Tot. Azi.	Tot. Dist
Tie In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	222.00	0.62	333.59	0.28	222.00	1.08	-0.53	222.00	0.34	333.59	1.20
2	314.00	2.37	337.11	1.90	313.96	3.27	-1.50	92.00	0.90	335.45	3.60
3	406.00	3.82	335.18	1.58	405.82	7.81	-3.52	92.00	2.09	335.72	8.57
4	500.00	4.57	332.36	0.83	499.57	13.97	-6.57	94.00	4.01	334.80	15.44
5	590.00	5.98	335.26	1.59	589.19	21.40	-10.20	90.00	6.28	334.52	23.71
6	681.00	8.09	344.49	2.62	679.50	31.88	-13.90	91.00	8.07	336.45	34.78
7	772.00	9.80	347.66	1.95	769.39	45.62	-17.26	91.00	8.97	339.27	48.77
8	866.00	9.93	343.88	0.70	862.00	61.22	-21.22	94.00	10.13	340.88	64.79
9	960.00	9.10	342.21	0.93	954.71	76.08	-25.75	94.00	11.96	341.30	80.32
10	1,053.00	8.31	346.16	1.06	1,046.64	89.61	-29.60	93.00	13.38	341.72	94.37
11	1,145.00	8.31	340.10	0.95	1,137.67	102.32	-33.45	92.00	14.94	341.89	107.65
12	1,238.00	9.45	334.03	1.59	1,229.56	115.50	-39.08	93.00	18.16	341.30	121.93
13	1,330.00	9.19	330.69	0.65	1,320.35	128.70	-45.99	92.00	22.64	340.34	136.67

14	1,423.00	8.62	329.64	0.64	1,412.22	141.19	-53.15	93.00	27.49	339.37	150.86
15	1,515.00	8.84	330.60	0.29	1,503.16	153.29	-60.10	92.00	32.20	338.59	164.66
16	1,608.00	9.80	338.16	1.67	1,594.93	166.87	-66.55	93.00	36.17	338.26	179.65
17	1,701.00	9.63	336.49	0.35	1,686.60	181.35	-72.60	93.00	39.57	338.18	195.34
18	1,793.00	9.27	335.61	0.42	1,777.35	195.15	-78.73	92.00	43.18	338.03	210.44
19	1,886.00	8.92	334.30	0.44	1,869.18	208.47	-84.95	93.00	46.96	337.83	225.12
20	1,978.00	8.57	334.56	0.38	1,960.11	221.09	-90.99	92.00	50.68	337.63	239.08
21	2,071.00	9.01	333.59	0.50	2,052.02	233.87	-97.20	93.00	54.56	337.43	253.26
22	2,163.00	10.24	335.18	1.37	2,142.72	247.74	-103.84	92.00	58.65	337.26	268.63
23	2,256.00	10.02	336.67	0.37	2,234.27	262.68	-110.52	93.00	62.59	337.18	284.98
24	2,349.00	9.49	335.18	0.63	2,325.93	277.06	-116.94	93.00	66.38	337.12	300.73
25	2,441.00	9.27	332.54	0.53	2,416.70	290.52	-123.54	92.00	70.52	336.96	315.70
26	2,535.00	8.57	329.99	0.86	2,509.56	303.30	-130.53	94.00	75.15	336.71	330.20
27	2,627.00	9.85	335.18	1.66	2,600.38	316.38	-137.27	92.00	79.48	336.55	344.88
28	2,719.00	10.24	336.76	0.52	2,690.96	331.04	-143.80	92.00	83.33	336.52	360.92
29	2,812.00	9.71	335.53	0.61	2,782.56	345.77	-150.31	93.00	87.15	336.51	377.03
30	2,904.00	9.32	334.56	0.46	2,873.29	359.56	-156.72	92.00	91.04	336.45	392.23
31	2,997.00	8.92	331.92	0.62	2,965.12	372.73	-163.35	93.00	95.25	336.33	406.95
32	3,089.00	8.40	332.27	0.57	3,056.07	384.97	-169.83	92.00	99.48	336.19	420.76
33	3,182.00	7.96	332.01	0.47	3,148.12	396.67	-176.02	93.00	103.50	336.07	433.96
34	3,274.00	7.56	334.30	0.55	3,239.28	407.74	-181.63	92.00	107.08	335.99	446.37
35	3,367.00	6.68	341.06	1.31	3,331.56	418.37	-186.04	93.00	109.55	336.03	457.87
36	3,460.00	6.51	345.11	0.53	3,423.95	428.58	-189.15	93.00	110.82	336.19	468.47
37	3,552.00	6.33	346.51	0.26	3,515.37	438.56	-191.67	92.00	111.55	336.39	478.61
38	3,645.00	5.01	335.79	1.81	3,607.92	447.25	-194.53	93.00	112.84	336.49	487.72
39	3,737.00	3.87	330.87	1.31	3,699.64	453.62	-197.69	92.00	114.83	336.45	494.83
40	3,830.00	3.08	341.68	1.10	3,792.47	458.74	-200.01	93.00	116.20	336.44	500.44
41	3,922.00	1.85	327.70	1.48	3,884.38	462.34	-201.58	92.00	117.12	336.44	504.37
42	4,014.00	1.58	316.72	0.46	3,976.34	464.52	-203.24	92.00	118.37	336.37	507.03
43	4,107.00	1.76	325.33	0.33	4,069.30	466.62	-204.93	93.00	119.66	336.29	509.64
44	4,199.00	1.49	324.10	0.30	4,161.27	468.75	-206.44	92.00	120.77	336.23	512.20
45	4,291.00	1.54	321.99	0.08	4,253.23	470.70	-207.90	92.00	121.87	336.17	514.57
46	4,384.00	1.36	319.53	0.20	4,346.20	472.52	-209.38	93.00	123.01	336.10	516.83

47	4,477.00	1.23	314.61	0.18	4,439.18	474.06	-210.81	93.00	124.15	336.03	518.82
48	4,571.00	0.97	316.02	0.28	4,533.16	475.34	-212.08	94.00	125.17	335.96	520.51
49	4,664.00	0.79	317.16	0.19	4,626.15	476.38	-213.06	93.00	125.96	335.90	521.86
50	4,756.00	0.79	314.52	0.04	4,718.14	477.29	-213.95	92.00	126.67	335.86	523.05
51	4,849.00	0.66	322.26	0.17	4,811.13	478.16	-214.73	93.00	127.28	335.82	524.17
52	4,942.00	0.75	325.60	0.11	4,904.13	479.09	-215.40	93.00	127.78	335.79	525.29
53	5,069.00	0.61	345.77	0.22	5,031.12	480.43	-216.04	127.00	128.17	335.79	526.77
54	5,161.00	0.50	355.82	0.16	5,123.11	481.30	-216.19	92.00	128.17	335.81	527.63
55	5,253.00	0.64	342.48	0.21	5,215.11	482.19	-216.37	92.00	128.19	335.83	528.52
56	5,347.00	0.58	347.42	0.08	5,309.10	483.16	-216.63	94.00	128.28	335.85	529.50
57	5,440.00	0.89	336.56	0.36	5,402.10	484.28	-217.02	93.00	128.47	335.86	530.69
58	5,532.00	0.84	324.56	0.20	5,494.09	485.49	-217.70	92.00	128.92	335.85	532.06
59	5,625.00	1.52	282.45	1.14	5,587.07	486.31	-219.30	93.00	130.35	335.73	533.47
60	5,717.00	1.17	261.67	0.65	5,679.04	486.44	-221.42	92.00	132.41	335.53	534.46
61	5,810.00	0.43	258.03	0.80	5,772.03	486.23	-222.70	93.00	133.71	335.39	534.80
62	5,902.00	1.17	161.35	1.41	5,864.03	485.26	-222.74	92.00	133.92	335.34	533.94
63	5,995.00	1.58	150.72	0.52	5,957.00	483.25	-221.81	93.00	133.36	335.35	531.72
64	6,088.00	1.58	149.58	0.03	6,049.96	481.02	-220.53	93.00	132.49	335.37	529.17
65	6,181.00	1.48	150.09	0.11	6,142.93	478.88	-219.28	93.00	131.64	335.40	526.69
66	6,273.00	1.47	142.89	0.20	6,234.90	476.90	-217.98	92.00	130.70	335.44	524.36
67	6,366.00	1.35	146.49	0.16	6,327.87	475.04	-216.65	93.00	129.73	335.48	522.11
68	6,458.00	1.56	144.12	0.24	6,419.84	473.12	-215.32	92.00	128.75	335.53	519.81
69	6,551.00	1.46	148.25	0.16	6,512.81	471.09	-213.96	93.00	127.77	335.57	517.40
70	6,643.00	1.34	145.57	0.15	6,604.78	469.20	-212.73	92.00	126.89	335.61	515.18
71	6,736.00	1.05	134.58	0.40	6,697.76	467.71	-211.51	93.00	125.95	335.67	513.31
72	6,828.00	1.15	127.52	0.18	6,789.74	466.56	-210.18	92.00	124.84	335.75	511.71
73	6,921.00	0.91	124.77	0.26	6,882.73	465.57	-208.83	93.00	123.69	335.84	510.26
74	7,013.00	0.54	142.19	0.46	6,974.72	464.81	-207.97	92.00	122.97	335.90	509.21
75	7,106.00	0.48	167.17	0.25	7,067.72	464.08	-207.61	93.00	122.75	335.90	508.40
76	7,198.00	0.31	181.05	0.21	7,159.72	463.46	-207.53	92.00	122.78	335.88	507.80
77	7,291.00	0.39	173.16	0.10	7,252.71	462.89	-207.50	93.00	122.85	335.86	507.27
78	7,383.00	0.34	173.88	0.05	7,344.71	462.31	-207.43	92.00	122.88	335.84	506.71
79	7,476.00	0.09	135.77	0.30	7,437.71	461.98	-207.35	93.00	122.86	335.83	506.38

80	7,569.00	0.16	237.84	0.21	7,530.71	461.86	-207.41	93.00	122.94	335.82	506.29
81	7,661.00	0.07	267.57	0.11	7,622.71	461.79	-207.57	92.00	123.12	335.80	506.30
82	7,754.00	0.29	302.49	0.25	7,715.71	461.91	-207.83	93.00	123.35	335.78	506.51
83	7,846.00	0.33	156.84	0.64	7,807.71	461.79	-207.92	92.00	123.46	335.76	506.44
84	7,939.00	0.61	163.45	0.31	7,900.71	461.07	-207.67	93.00	123.34	335.75	505.69
85	8,031.00	0.48	135.50	0.32	7,992.70	460.33	-207.26	92.00	123.07	335.76	504.84
86	8,124.00	0.36	120.89	0.17	8,085.70	459.90	-206.74	93.00	122.63	335.79	504.23
87	8,217.00	0.39	144.82	0.17	8,178.70	459.49	-206.31	93.00	122.28	335.82	503.68
88	8,310.00	0.23	127.64	0.20	8,271.70	459.12	-205.98	93.00	122.02	335.84	503.21
89	8,402.00	0.45	13.94	0.63	8,363.70	459.36	-205.74	92.00	121.74	335.87	503.33
90	8,495.00	1.27	4.70	0.89	8,456.69	460.74	-205.57	93.00	121.33	335.95	504.52
91	8,588.00	1.44	6.43	0.19	8,549.66	462.93	-205.36	93.00	120.73	336.08	506.43
92	8,680.00	1.22	359.24	0.30	8,641.63	465.06	-205.24	92.00	120.25	336.19	508.33
93	8,772.00	1.17	343.11	0.37	8,733.61	466.93	-205.53	92.00	120.20	336.24	510.16
94	8,865.00	0.95	351.95	0.29	8,826.60	468.61	-205.91	93.00	120.28	336.28	511.85
95	8,957.00	0.75	340.09	0.29	8,918.59	469.93	-206.22	92.00	120.36	336.31	513.19
96	9,050.00	0.58	322.07	0.29	9,011.58	470.87	-206.72	93.00	120.68	336.30	514.25
97	9,144.00	0.24	8.99	0.48	9,105.58	471.44	-206.98	94.00	120.84	336.30	514.88
98	9,236.00	0.32	76.17	0.34	9,197.58	471.69	-206.70	92.00	120.52	336.34	514.99
99	9,329.00	0.72	176.03	0.90	9,290.58	471.17	-206.41	93.00	120.32	336.34	514.40
100	9,421.00	1.62	198.99	1.08	9,382.56	469.36	-206.79	92.00	121.01	336.22	512.90
101	9,515.00	1.46	192.59	0.25	9,476.52	466.94	-207.48	94.00	122.12	336.04	510.96
102	9,608.00	1.59	219.18	0.77	9,569.49	464.78	-208.56	93.00	123.56	335.83	509.43
103	9,701.00	1.75	221.78	0.19	9,662.45	462.72	-210.32	93.00	125.66	335.56	508.28
104	9,793.00	1.61	221.76	0.15	9,754.41	460.71	-212.12	92.00	127.78	335.28	507.20
105	9,886.00	1.95	231.32	0.48	9,847.37	458.75	-214.22	93.00	130.20	334.97	506.30
106	9,978.00	2.50	220.48	0.75	9,939.30	456.24	-216.75	92.00	133.12	334.59	505.11
107	10,071.00	2.97	218.57	0.51	10,032.19	452.82	-219.56	93.00	136.50	334.13	503.24
108	10,163.00	3.43	220.25	0.51	10,124.05	448.85	-222.83	92.00	140.41	333.60	501.12
109	10,256.00	3.59	224.68	0.34	10,216.87	444.66	-226.67	93.00	144.93	332.99	499.10
110	10,348.00	3.36	226.36	0.27	10,308.70	440.75	-230.65	92.00	149.53	332.38	497.46
111	10,441.00	3.23	223.77	0.21	10,401.55	436.98	-234.43	93.00	153.92	331.79	495.89
112	10,532.00	3.14	252.27	1.72	10,492.42	434.37	-238.58	91.00	158.47	331.22	495.58

113	10,563.00	7.17	246.20	13.10	10,523.28	433.33	-241.16	31.00	161.19	330.90	495.92
114	10,594.00	10.16	257.08	10.96	10,553.93	431.94	-245.60	31.00	165.80	330.38	496.88
115	10,625.00	10.00	253.31	2.19	10,584.45	430.55	-250.84	31.00	171.20	329.77	498.29
116	10,649.00	11.27	260.50	7.64	10,608.04	429.57	-255.15	24.00	175.62	329.29	499.63
117	10,680.00	13.79	258.17	8.29	10,638.30	428.31	-261.76	31.00	182.34	328.57	501.96
118	10,710.00	16.39	256.93	8.73	10,667.26	426.62	-269.38	30.00	190.15	327.73	504.55
119	10,741.00	20.27	256.63	12.52	10,696.68	424.39	-278.87	31.00	199.88	326.69	507.81
120	10,772.00	24.05	257.52	12.24	10,725.39	421.78	-290.26	31.00	211.56	325.46	512.01
121	10,803.00	27.54	256.91	11.29	10,753.29	418.79	-303.42	31.00	225.03	324.08	517.15
122	10,834.00	31.36	258.40	12.55	10,780.28	415.54	-318.30	31.00	240.26	322.55	523.44
123	10,865.00	34.04	257.71	8.73	10,806.37	412.07	-334.69	31.00	256.99	320.92	530.87
124	10,896.00	37.45	256.98	11.09	10,831.53	408.10	-352.35	31.00	275.08	319.19	539.17
125	10,927.00	40.99	255.78	11.68	10,855.54	403.48	-371.40	31.00	294.64	317.37	548.39
126	10,950.00	43.74	255.87	11.96	10,872.53	399.69	-386.42	23.00	310.10	315.97	555.94
127	11,093.00	59.16	253.41	10.87	10,961.39	369.91	-493.85	143.00	421.10	306.83	617.03
128	11,219.00	79.34	256.13	16.14	11,005.81	339.30	-606.99	126.00	537.85	299.20	695.39
129	11,281.00	86.81	255.25	12.13	11,013.28	324.09	-666.59	62.00	599.19	295.93	741.20
130	11,330.00	93.85	256.04	14.46	11,012.99	311.95	-714.03	49.00	648.03	293.60	779.20
131	11,424.00	94.15	255.34	0.81	11,006.44	288.78	-804.89	94.00	741.55	289.74	855.12
132	11,517.00	93.27	254.20	1.55	11,000.42	264.40	-894.43	93.00	833.98	286.47	932.69
133	11,611.00	91.03	253.14	2.64	10,996.89	237.99	-984.57	94.00	927.36	283.59	1,012.92
134	11,703.00	94.55	252.70	3.86	10,992.41	211.00	-1,072.39	92.00	1,018.56	281.13	1,092.95
135	11,796.00	88.88	253.67	6.19	10,989.63	184.12	-1,161.34	93.00	1,110.85	279.01	1,175.84
136	11,891.00	91.16	254.64	2.61	10,989.60	158.19	-1,252.72	95.00	1,205.37	277.20	1,262.67
137	11,982.00	90.68	253.14	1.73	10,988.14	132.94	-1,340.13	91.00	1,295.86	275.67	1,346.71
138	12,077.00	90.90	253.32	0.30	10,986.83	105.53	-1,431.08	95.00	1,390.21	274.22	1,434.97
139	12,168.00	91.96	253.93	1.34	10,984.56	79.89	-1,518.36	91.00	1,480.64	273.01	1,520.46
140	12,260.00	90.46	253.41	1.73	10,982.61	54.02	-1,606.63	92.00	1,572.08	271.93	1,607.54
141	12,351.00	93.41	253.49	3.24	10,979.54	28.12	-1,693.80	91.00	1,662.45	270.95	1,694.03
142	12,442.00	96.04	254.90	3.28	10,972.05	3.42	-1,781.05	91.00	1,752.69	270.11	1,781.06
143	12,533.00	98.46	257.19	3.65	10,960.56	-18.35	-1,868.65	91.00	1,842.74	269.44	1,868.74
144	12,624.00	93.76	255.52	5.48	10,950.88	-39.70	-1,956.55	91.00	1,933.03	268.84	1,956.95
145	12,716.00	92.35	255.25	1.56	10,945.98	-62.88	-2,045.44	92.00	2,024.61	268.24	2,046.41

146	12,807.00	90.99	255.16	1.50	10,943.32	-86.10	-2,133.39	91.00	2,115.27	267.69	2,135.12
147	12,897.00	91.78	254.37	1.24	10,941.15	-109.75	-2,220.20	90.00	2,204.89	267.17	2,222.91
148	12,988.00	90.02	253.23	2.30	10,939.72	-135.13	-2,307.57	91.00	2,295.36	266.65	2,311.52
149	13,079.00	92.40	253.58	2.64	10,937.80	-161.11	-2,394.75	91.00	2,385.76	266.15	2,400.16
150	13,170.00	89.89	253.76	2.77	10,935.98	-186.69	-2,482.05	91.00	2,476.20	265.70	2,489.07
151	13,261.00	89.80	253.93	0.21	10,936.22	-212.01	-2,569.46	91.00	2,566.69	265.28	2,578.19
152	13,353.00	87.96	254.90	2.26	10,938.02	-236.72	-2,658.06	92.00	2,658.26	264.91	2,668.58
153	13,445.00	83.87	255.60	4.51	10,944.58	-260.08	-2,746.78	92.00	2,749.70	264.59	2,759.06
154	13,535.00	85.98	255.60	2.34	10,952.54	-282.38	-2,833.60	90.00	2,839.10	264.31	2,847.64
155	13,625.00	85.05	253.85	2.20	10,959.57	-306.01	-2,920.16	90.00	2,928.46	264.02	2,936.15
156	13,717.00	87.16	253.06	2.45	10,965.82	-332.15	-3,008.14	92.00	3,019.66	263.70	3,026.42
157	13,807.00	91.12	253.85	4.49	10,967.17	-357.77	-3,094.38	90.00	3,109.07	263.40	3,115.00
158	13,901.00	90.07	256.40	2.93	10,966.20	-381.90	-3,185.22	94.00	3,202.73	263.16	3,208.03
159	13,995.00	88.22	257.89	2.53	10,967.60	-402.81	-3,276.85	94.00	3,296.61	262.99	3,301.51
160	14,088.00	90.51	256.83	2.71	10,968.63	-423.15	-3,367.58	93.00	3,389.51	262.84	3,394.06
161	14,183.00	87.56	256.31	3.15	10,970.23	-445.21	-3,459.96	95.00	3,484.33	262.67	3,488.48
162	14,278.00	93.10	257.01	5.88	10,969.68	-467.12	-3,552.36	95.00	3,579.14	262.51	3,582.94
163	14,372.00	90.77	256.04	2.68	10,966.51	-489.01	-3,643.71	94.00	3,672.92	262.36	3,676.38
164	14,466.00	91.12	258.86	3.02	10,964.96	-509.43	-3,735.44	94.00	3,766.81	262.23	3,770.02
165	14,560.00	92.00	260.61	2.08	10,962.40	-526.18	-3,827.90	94.00	3,860.77	262.17	3,863.89
166	14,655.00	93.54	263.78	3.71	10,957.81	-539.06	-3,921.89	95.00	3,955.57	262.17	3,958.77
167	14,748.00	94.86	267.29	4.02	10,951.00	-546.29	-4,014.34	93.00	4,047.85	262.25	4,051.34
168	14,843.00	90.29	272.39	7.20	10,946.73	-546.54	-4,109.19	95.00	4,141.26	262.42	4,145.38
169	14,938.00	85.93	272.04	4.60	10,949.86	-542.87	-4,204.05	95.00	4,233.99	262.64	4,238.95
170	15,032.00	83.12	270.46	3.43	10,958.83	-540.83	-4,297.58	94.00	4,325.71	262.83	4,331.48
171	15,126.00	87.30	270.55	4.45	10,966.67	-540.00	-4,391.23	94.00	4,417.75	262.99	4,424.31
172	15,221.00	87.43	270.11	0.48	10,971.04	-539.46	-4,486.13	95.00	4,511.08	263.14	4,518.45
173	15,315.00	85.36	268.70	2.66	10,976.95	-540.43	-4,579.93	94.00	4,603.59	263.27	4,611.70
174	15,407.00	92.04	268.26	7.28	10,979.04	-542.87	-4,671.82	92.00	4,694.47	263.37	4,703.26
175	15,501.00	87.43	267.03	5.08	10,979.47	-546.73	-4,765.71	94.00	4,787.58	263.46	4,796.97
176	15,595.00	90.51	266.24	3.38	10,981.16	-552.25	-4,859.52	94.00	4,880.90	263.52	4,890.80
177	15,688.00	93.05	267.38	2.99	10,978.27	-557.42	-4,952.33	93.00	4,973.17	263.58	4,983.60
178	15,781.00	91.91	267.21	1.24	10,974.25	-561.80	-5,045.13	93.00	5,065.30	263.65	5,076.32

179	15,874.00	91.03	267.73	1.10	10,971.86	-565.91	-5,138.01	93.00	5,157.45	263.71	5,169.08
180	15,967.00	90.11	266.77	1.43	10,970.94	-570.37	-5,230.90	93.00	5,249.67	263.78	5,261.90
181	16,062.00	93.10	267.38	3.21	10,968.28	-575.22	-5,325.72	95.00	5,343.87	263.84	5,356.70
182	16,156.00	93.49	268.88	1.65	10,962.87	-578.28	-5,419.52	94.00	5,436.74	263.91	5,450.28
183	16,249.00	95.34	267.65	2.39	10,955.72	-581.08	-5,512.19	93.00	5,528.47	263.98	5,542.74
184	16,342.00	89.14	262.37	8.75	10,952.08	-589.17	-5,604.69	93.00	5,620.94	264.00	5,635.57
185	16,466.00	81.80	262.11	5.92	10,961.87	-605.85	-5,727.09	124.00	5,744.37	263.96	5,759.04
186	16,530.00	83.56	264.04	4.06	10,970.02	-613.50	-5,790.10	64.00	5,807.74	263.95	5,822.51
187	16,624.00	85.58	263.95	2.15	10,978.92	-623.29	-5,883.16	94.00	5,901.07	263.95	5,916.08
188	16,719.00	89.05	263.07	3.77	10,983.37	-634.01	-5,977.43	95.00	5,995.76	263.95	6,010.96
189	16,812.00	92.31	260.70	4.33	10,982.26	-647.14	-6,069.47	93.00	6,088.68	263.91	6,103.87
190	16,905.00	93.23	259.38	1.73	10,977.77	-663.20	-6,160.96	93.00	6,181.56	263.86	6,196.55
191	16,999.00	95.21	257.71	2.75	10,970.85	-681.82	-6,252.83	94.00	6,275.28	263.78	6,289.89
192	17,092.00	93.80	255.52	2.79	10,963.55	-703.28	-6,343.02	93.00	6,367.83	263.67	6,381.89
193	17,186.00	96.35	255.69	2.72	10,955.23	-726.55	-6,433.70	94.00	6,461.20	263.56	6,474.60
194	17,280.00	99.21	255.52	3.05	10,942.51	-749.70	-6,523.90	94.00	6,554.06	263.44	6,566.84
195	17,375.00	97.05	256.40	2.45	10,929.07	-772.52	-6,615.13	95.00	6,647.88	263.34	6,660.09
196	17,470.00	91.82	254.64	5.81	10,921.73	-796.20	-6,706.80	95.00	6,742.29	263.23	6,753.90
197	17,564.00	85.49	251.30	7.61	10,923.93	-823.70	-6,796.60	94.00	6,835.52	263.09	6,846.33
198	17,659.00	81.23	247.96	5.68	10,934.92	-856.52	-6,885.03	95.00	6,928.35	262.91	6,938.10
199	17,753.00	81.41	248.92	1.03	10,949.11	-890.67	-6,971.45	94.00	7,019.43	262.72	7,028.12
200	17,848.00	81.01	250.42	1.62	10,963.62	-923.28	-7,059.49	95.00	7,111.83	262.55	7,119.61
201	17,942.00	82.24	250.51	1.31	10,977.32	-954.38	-7,147.13	94.00	7,203.57	262.39	7,210.57
202	18,036.00	86.24	252.00	4.54	10,986.75	-984.42	-7,235.67	94.00	7,296.02	262.25	7,302.33
203	18,129.00	88.79	252.26	2.76	10,990.78	-1,012.93	-7,324.10	93.00	7,388.08	262.13	7,393.81
204	18,222.00	90.15	252.62	1.51	10,991.64	-1,040.99	-7,412.76	93.00	7,480.29	262.01	7,485.49
205	18,316.00	87.30	252.97	3.05	10,993.73	-1,068.78	-7,502.52	94.00	7,573.54	261.89	7,578.26
206	18,410.00	87.12	252.26	0.78	10,998.31	-1,096.84	-7,592.12	94.00	7,666.68	261.78	7,670.94
207	18,504.00	92.79	253.49	6.17	10,998.38	-1,124.50	-7,681.91	94.00	7,759.94	261.67	7,763.78
208	18,599.00	92.79	253.49	0.00	10,993.76	-1,151.47	-7,772.89	95.00	7,854.24	261.57	7,857.71
209	18,694.00	91.47	252.79	1.57	10,990.23	-1,179.00	-7,863.74	95.00	7,948.52	261.47	7,951.63
210	18,795.00	92.66	254.55	2.10	10,986.59	-1,207.38	-7,960.60	101.00	8,048.86	261.38	8,051.64
211	18,891.00	87.65	256.40	5.56	10,986.33	-1,231.45	-8,053.49	96.00	8,144.54	261.31	8,147.10

212	18,985.00	83.56	256.13	4.36	10,993.53	-1,253.70	-8,144.52	94.00	8,238.06	261.25	8,240.44
213	19,080.00	87.78	258.07	4.89	11,000.70	-1,274.83	-8,236.83	95.00	8,332.65	261.20	8,334.90
214	19,175.00	89.23	258.68	1.66	11,003.18	-1,293.97	-8,329.85	95.00	8,427.58	261.17	8,429.75
215	19,269.00	86.37	257.27	3.39	11,006.79	-1,313.54	-8,421.71	94.00	8,521.45	261.13	8,523.53
216	19,362.00	85.23	256.92	1.28	11,013.60	-1,334.25	-8,512.11	93.00	8,614.09	261.09	8,616.05
217	19,457.00	87.12	255.52	2.47	11,019.94	-1,356.83	-8,604.16	95.00	8,708.68	261.04	8,710.49
218	19,550.00	90.90	254.90	4.12	11,021.54	-1,380.56	-8,694.05	93.00	8,801.34	260.98	8,802.98
219	19,644.00	91.60	255.25	0.83	11,019.49	-1,404.76	-8,784.86	94.00	8,894.99	260.91	8,896.47
220	19,738.00	91.74	254.20	1.13	11,016.75	-1,429.52	-8,875.50	94.00	8,988.57	260.85	8,989.88
221	19,832.00	92.18	253.76	0.66	11,013.54	-1,455.44	-8,965.80	94.00	9,082.02	260.78	9,083.16
222	19,925.00	92.35	254.37	0.68	11,009.86	-1,480.96	-9,055.15	93.00	9,174.47	260.71	9,175.46
223	20,019.00	90.46	252.35	2.94	11,007.56	-1,507.86	-9,145.18	94.00	9,267.82	260.64	9,268.65
224	20,112.00	91.25	252.44	0.85	11,006.17	-1,535.99	-9,233.81	93.00	9,360.02	260.56	9,360.69
225	20,207.00	90.29	250.24	2.53	11,004.89	-1,566.38	-9,323.80	95.00	9,453.96	260.46	9,454.46
226	20,301.00	90.51	249.10	1.24	11,004.24	-1,599.04	-9,411.95	94.00	9,546.47	260.36	9,546.81
227	20,395.00	91.69	248.75	1.31	11,002.43	-1,632.83	-9,499.64	94.00	9,638.74	260.25	9,638.95
228	20,489.00	92.44	249.98	1.53	10,999.04	-1,665.94	-9,587.55	94.00	9,731.10	260.14	9,731.21
229	20,583.00	91.56	247.17	3.13	10,995.76	-1,700.25	-9,674.99	94.00	9,823.21	260.03	9,823.25
230	20,678.00	91.69	248.05	0.94	10,993.07	-1,736.42	-9,762.79	95.00	9,916.01	259.91	9,916.01
231	20,772.00	88.13	250.51	4.60	10,993.22	-1,769.67	-9,850.69	94.00	10,008.38	259.82	10,008.39
232	20,864.00	88.00	251.82	1.43	10,996.32	-1,799.35	-9,937.71	92.00	10,099.27	259.74	10,099.30
233	20,958.00	87.16	251.03	1.23	11,000.29	-1,829.27	-10,026.74	94.00	10,192.17	259.66	10,192.24
234	21,053.00	87.69	251.30	0.63	11,004.56	-1,859.91	-10,116.56	95.00	10,285.98	259.58	10,286.11
235	21,147.00	89.45	252.79	2.45	11,006.91	-1,888.87	-10,205.95	94.00	10,379.07	259.51	10,379.27
236	21,241.00	90.07	251.12	1.90	11,007.30	-1,917.99	-10,295.32	94.00	10,472.17	259.45	10,472.45
237	21,336.00	89.54	251.03	0.57	11,007.62	-1,948.80	-10,385.18	95.00	10,566.05	259.37	10,566.45
PTB	21,409.00	89.54	251.03	0.00	11,008.21	-1,972.53	-10,454.22	73.00	10,638.18	259.31	10,638.68