

**TALLY**

DRILLING SERVICES

SURVEY REPORT

Nov 08 2021 14:50



Well Name: UL JEFF EAST A 17-27-5 WA 1H API: 42475381390000 Service Company: Tally Drilling Services Operating Company: Percussion Petroleum II, LLC Rig: Unit 407 Job No: M21273						Field: Phantom (Wolfcamp) Location: Pyote County: Ward State: Texas Country: USA VS Azimuth: 254.24 Latitude: 31.602915 N Longitude: 103.208663 W Comments:					
Datum: NAD 1927 (NADCON CONUS) Projection: US State Plane 1927 (Exact solution) Total Correction: 8.30 Grid Convergence: -1.48 ° Magnetic Declination: 6.82 ° 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	134.00	0.48	180.74	0.36	134.00	-0.56	-0.01	134.00	0.16	180.74	0.56
2	228.00	0.48	189.27	0.08	228.00	-1.34	-0.08	94.00	0.44	183.23	1.35
3	321.00	0.40	183.29	0.10	320.99	-2.05	-0.16	93.00	0.71	184.38	2.06
4	413.00	0.57	190.23	0.20	412.99	-2.82	-0.26	92.00	1.01	185.20	2.83
5	507.00	0.62	205.18	0.17	506.98	-3.74	-0.56	94.00	1.55	188.45	3.78
6	597.00	1.27	173.97	0.90	596.97	-5.18	-0.66	90.00	2.04	187.25	5.22
7	687.00	2.51	154.55	1.53	686.92	-7.95	0.29	90.00	1.88	177.89	7.95
8	778.00	3.91	150.33	1.56	777.78	-12.44	2.69	91.00	0.80	167.82	12.73
9	872.00	5.45	152.44	1.65	871.46	-19.19	6.34	94.00	-0.89	161.72	20.20
10	966.00	6.51	151.12	1.14	964.95	-27.81	10.98	94.00	-3.01	158.46	29.90
11	1,058.00	7.52	145.85	1.30	1,056.26	-37.36	16.87	92.00	-6.09	155.69	40.99
12	1,151.00	8.75	149.10	1.41	1,148.32	-48.46	23.92	93.00	-9.86	153.73	54.05
13	1,243.00	9.71	153.85	1.33	1,239.13	-61.43	30.94	92.00	-13.09	153.27	68.78

14	1,336.00	9.45	154.73	0.32	1,330.83	-75.38	37.65	93.00	-15.76	153.46	84.26
15	1,428.00	9.05	155.25	0.44	1,421.64	-88.78	43.91	92.00	-18.14	153.68	99.04
16	1,521.00	8.79	155.61	0.29	1,513.51	-101.89	49.90	93.00	-20.35	153.91	113.46
17	1,614.00	8.44	154.21	0.44	1,605.46	-114.51	55.81	93.00	-22.61	154.02	127.38
18	1,706.00	8.22	155.09	0.28	1,696.49	-126.55	61.51	92.00	-24.83	154.08	140.71
19	1,799.00	8.26	155.26	0.05	1,788.53	-138.65	67.11	93.00	-26.93	154.17	154.04
20	1,891.00	8.00	151.40	0.66	1,879.61	-150.27	72.94	92.00	-29.38	154.11	167.04
21	1,984.00	7.96	152.10	0.11	1,971.71	-161.65	79.05	93.00	-32.18	153.94	179.94
22	2,076.00	8.26	152.89	0.35	2,062.79	-173.16	85.04	92.00	-34.82	153.84	192.92
23	2,169.00	8.18	155.26	0.37	2,154.83	-185.11	90.86	93.00	-37.16	153.86	206.21
24	2,262.00	7.78	154.30	0.45	2,246.93	-196.80	96.36	93.00	-39.28	153.91	219.12
25	2,354.00	7.43	153.86	0.39	2,338.12	-207.75	101.68	92.00	-41.43	153.92	231.29
26	2,447.00	7.91	153.42	0.52	2,430.29	-218.87	107.19	93.00	-43.71	153.91	243.71
27	2,540.00	8.31	157.46	0.75	2,522.36	-230.80	112.63	93.00	-45.71	153.99	256.81
28	2,632.00	8.00	158.52	0.37	2,613.43	-242.90	117.52	92.00	-47.13	154.18	269.83
29	2,725.00	7.47	157.20	0.60	2,705.58	-254.49	122.23	93.00	-48.52	154.34	282.32
30	2,817.00	7.87	158.25	0.46	2,796.76	-265.85	126.89	92.00	-49.91	154.49	294.58
31	2,910.00	8.26	162.21	0.73	2,888.84	-278.13	131.29	93.00	-50.81	154.73	307.56
32	3,002.00	8.35	168.36	0.97	2,979.88	-290.96	134.65	92.00	-50.56	155.17	320.61
33	3,095.00	8.22	167.83	0.16	3,071.91	-304.08	137.42	93.00	-49.66	155.68	333.69
34	3,187.00	8.09	162.56	0.82	3,162.98	-316.68	140.74	92.00	-49.44	156.04	346.55
35	3,280.00	7.38	159.92	0.85	3,255.13	-328.54	144.76	93.00	-50.08	156.22	359.01
36	3,373.00	7.52	161.06	0.22	3,347.35	-339.90	148.78	93.00	-50.87	156.36	371.04
37	3,465.00	7.43	166.16	0.73	3,438.57	-351.37	152.16	92.00	-51.00	156.59	382.90
38	3,558.00	6.86	172.84	1.08	3,530.85	-362.72	154.29	93.00	-49.97	156.96	394.17
39	3,650.00	6.68	176.53	0.51	3,622.20	-373.51	155.30	92.00	-48.01	157.42	404.51
40	3,743.00	5.71	180.84	1.16	3,714.66	-383.54	155.56	93.00	-45.54	157.92	413.88
41	3,835.00	4.31	180.84	1.52	3,806.31	-391.57	155.44	92.00	-43.24	158.35	421.30
42	3,927.00	4.13	178.03	0.30	3,898.06	-398.34	155.50	92.00	-41.46	158.68	427.62
43	4,020.00	3.91	185.32	0.60	3,990.83	-404.84	155.32	93.00	-39.53	159.01	433.62
44	4,112.00	3.16	200.79	1.31	4,082.66	-410.34	154.13	92.00	-36.89	159.41	438.33
45	4,205.00	2.99	201.14	0.18	4,175.52	-415.00	152.35	93.00	-33.90	159.84	442.08
46	4,297.00	2.95	198.86	0.14	4,267.40	-419.48	150.72	92.00	-31.12	160.24	445.73

47	4,389.00	2.77	195.08	0.28	4,359.28	-423.86	149.37	92.00	-28.63	160.59	449.41
48	4,483.00	2.59	191.47	0.26	4,453.18	-428.14	148.36	94.00	-26.50	160.89	453.11
49	4,576.00	1.80	181.89	0.93	4,546.11	-431.66	147.90	93.00	-25.09	161.09	456.29
50	4,669.00	2.15	137.25	1.65	4,639.06	-434.40	149.03	93.00	-25.44	161.06	459.25
51	4,762.00	2.24	165.72	1.16	4,732.00	-437.44	150.66	93.00	-26.19	161.00	462.66
52	4,855.00	2.33	189.98	1.04	4,824.92	-441.06	150.78	93.00	-25.32	161.13	466.12
53	4,947.00	2.24	192.53	0.15	4,916.85	-444.66	150.07	92.00	-23.66	161.35	469.30
54	5,068.00	1.77	175.66	0.62	5,037.78	-448.83	149.70	121.00	-22.16	161.55	473.14
55	5,160.00	2.71	222.48	2.15	5,129.71	-451.85	148.34	92.00	-20.03	161.83	475.58
56	5,253.00	2.77	223.26	0.08	5,222.61	-455.11	145.31	93.00	-16.24	162.29	477.75
57	5,347.00	2.64	217.85	0.30	5,316.50	-458.47	142.43	94.00	-12.55	162.74	480.09
58	5,439.00	2.34	211.78	0.43	5,408.42	-461.74	140.14	92.00	-9.46	163.12	482.54
59	5,532.00	2.19	214.30	0.19	5,501.34	-464.83	138.14	93.00	-6.69	163.45	484.92
60	5,624.00	1.96	217.64	0.28	5,593.28	-467.52	136.19	92.00	-4.08	163.76	486.95
61	5,717.00	2.18	212.82	0.30	5,686.22	-470.27	134.26	93.00	-1.48	164.07	489.06
62	5,809.00	2.22	227.30	0.60	5,778.16	-472.95	132.00	92.00	1.42	164.41	491.02
63	5,902.00	2.18	237.51	0.42	5,871.09	-475.12	129.18	93.00	4.72	164.79	492.37
64	5,995.00	2.08	240.23	0.15	5,964.02	-476.91	126.22	93.00	8.05	165.18	493.33
65	6,088.00	1.76	238.14	0.35	6,056.97	-478.50	123.55	93.00	11.06	165.52	494.19
66	6,180.00	1.73	236.18	0.07	6,148.93	-480.02	121.19	92.00	13.74	165.83	495.08
67	6,273.00	1.65	236.69	0.09	6,241.89	-481.53	118.91	93.00	16.35	166.13	496.00
68	6,365.00	1.60	235.59	0.06	6,333.85	-482.99	116.74	92.00	18.83	166.41	496.90
69	6,458.00	1.63	240.81	0.16	6,426.81	-484.37	114.52	93.00	21.35	166.70	497.72
70	6,550.00	1.61	239.02	0.06	6,518.78	-485.67	112.27	92.00	23.87	166.98	498.48
71	6,643.00	1.43	225.09	0.44	6,611.74	-487.16	110.32	93.00	26.14	167.24	499.50
72	6,735.00	1.14	227.42	0.32	6,703.72	-488.59	108.84	92.00	27.96	167.44	500.57
73	6,828.00	0.97	236.27	0.25	6,796.71	-489.65	107.50	93.00	29.54	167.62	501.32
74	6,920.00	0.76	245.71	0.28	6,888.69	-490.34	106.30	92.00	30.88	167.77	501.73
75	7,013.00	0.58	259.14	0.26	6,981.69	-490.68	105.27	93.00	31.96	167.89	501.85
76	7,105.00	0.71	265.15	0.16	7,073.68	-490.82	104.25	92.00	32.98	168.01	501.77
77	7,197.00	0.79	272.30	0.13	7,165.67	-490.84	103.05	92.00	34.14	168.14	501.54
78	7,290.00	0.70	273.60	0.10	7,258.67	-490.78	101.84	93.00	35.29	168.28	501.23
79	7,383.00	0.48	270.19	0.24	7,351.66	-490.74	100.88	93.00	36.20	168.38	501.00

80	7,475.00	0.17	339.73	0.49	7,443.66	-490.61	100.45	92.00	36.58	168.43	500.79
81	7,568.00	0.31	334.36	0.15	7,536.66	-490.26	100.29	93.00	36.64	168.44	500.41
82	7,661.00	0.48	6.20	0.29	7,629.66	-489.64	100.23	93.00	36.53	168.43	499.79
83	7,753.00	0.53	17.92	0.12	7,721.65	-488.85	100.40	92.00	36.15	168.39	499.06
84	7,846.00	0.77	54.89	0.51	7,814.65	-488.08	101.04	93.00	35.33	168.30	498.43
85	7,938.00	0.79	41.39	0.20	7,906.64	-487.25	101.97	92.00	34.21	168.18	497.81
86	8,031.00	0.87	41.52	0.09	7,999.63	-486.24	102.86	93.00	33.08	168.06	497.00
87	8,124.00	0.90	30.51	0.19	8,092.62	-485.09	103.70	93.00	31.95	167.93	496.05
88	8,217.00	1.15	21.93	0.31	8,185.60	-483.59	104.42	93.00	30.86	167.82	494.74
89	8,309.00	1.08	26.16	0.12	8,277.59	-481.96	105.14	92.00	29.71	167.69	493.29
90	8,402.00	0.94	25.66	0.15	8,370.57	-480.48	105.86	93.00	28.62	167.58	492.01
91	8,495.00	0.79	37.00	0.24	8,463.56	-479.28	106.58	93.00	27.61	167.46	490.99
92	8,587.00	0.66	46.80	0.19	8,555.55	-478.41	107.34	92.00	26.63	167.35	490.31
93	8,680.00	0.44	34.85	0.27	8,648.55	-477.75	107.94	93.00	25.88	167.27	489.79
94	8,772.00	0.21	227.04	0.70	8,740.55	-477.58	108.02	92.00	25.76	167.26	489.64
95	8,865.00	0.48	185.14	0.38	8,833.55	-478.08	107.86	93.00	26.05	167.29	490.10
96	8,957.00	1.24	205.95	0.88	8,925.54	-479.36	107.39	92.00	26.85	167.37	491.24
97	9,050.00	1.53	201.76	0.33	9,018.51	-481.42	106.49	93.00	28.27	167.53	493.06
98	9,144.00	2.40	201.29	0.93	9,112.45	-484.42	105.31	94.00	30.22	167.74	495.73
99	9,237.00	3.26	202.08	0.93	9,205.34	-488.68	103.61	93.00	33.02	168.03	499.55
100	9,329.00	4.18	198.68	1.03	9,297.14	-494.28	101.55	92.00	36.52	168.39	504.61
101	9,422.00	4.37	198.60	0.20	9,389.88	-500.85	99.33	93.00	40.44	168.78	510.61
102	9,515.00	4.61	192.61	0.57	9,482.60	-507.86	97.39	93.00	44.21	169.14	517.11
103	9,609.00	5.24	198.07	0.83	9,576.25	-515.63	95.23	94.00	48.40	169.54	524.35
104	9,701.00	4.70	225.88	2.66	9,667.92	-522.24	91.22	92.00	54.05	170.09	530.15
105	9,794.00	2.91	246.81	2.41	9,760.72	-525.83	86.32	93.00	59.75	170.68	532.86
106	9,886.00	2.85	257.85	0.61	9,852.60	-527.23	81.93	92.00	64.35	171.17	533.56
107	9,979.00	1.75	238.12	1.44	9,945.52	-528.46	78.47	93.00	68.02	171.55	534.26
108	10,071.00	1.24	204.10	1.09	10,037.49	-530.12	76.87	92.00	70.01	171.75	535.66
109	10,164.00	1.77	212.31	0.61	10,130.46	-532.25	75.69	93.00	71.72	171.91	537.60
110	10,256.00	2.22	236.29	1.02	10,222.41	-534.44	73.45	92.00	74.47	172.17	539.46
111	10,349.00	2.36	245.22	0.41	10,315.33	-536.24	70.21	93.00	78.08	172.54	540.82
112	10,442.00	2.84	241.36	0.55	10,408.24	-538.15	66.45	93.00	82.21	172.96	542.23

113	10,534.00	2.57	243.25	0.31	10,500.14	-540.17	62.61	92.00	86.46	173.39	543.78
114	10,627.00	2.56	254.22	0.53	10,593.04	-541.67	58.75	93.00	90.58	173.81	544.85
115	10,720.00	2.44	245.65	0.42	10,685.95	-543.05	54.94	93.00	94.62	174.22	545.82
116	10,796.00	3.21	248.54	1.03	10,761.86	-544.50	51.49	76.00	98.34	174.60	546.93
117	10,903.00	7.78	244.47	4.28	10,868.34	-548.72	42.16	107.00	108.46	175.61	550.33
118	10,998.00	18.73	251.33	11.62	10,960.68	-556.39	21.85	95.00	130.10	177.75	556.82
119	11,092.00	26.77	251.15	8.55	11,047.29	-568.08	-12.54	94.00	166.37	181.26	568.22
120	11,187.00	40.53	254.32	14.60	11,126.19	-583.41	-62.75	95.00	218.85	186.14	586.78
121	11,281.00	51.25	257.92	11.73	11,191.53	-599.39	-128.20	94.00	286.18	192.07	612.95
122	11,374.00	59.16	254.93	8.90	11,244.57	-617.39	-202.35	93.00	362.43	198.15	649.70
123	11,468.00	64.62	252.91	6.11	11,288.84	-640.38	-281.97	94.00	445.30	203.76	699.71
124	11,560.00	71.43	251.85	7.48	11,323.25	-666.21	-363.23	92.00	530.52	208.60	758.79
125	11,653.00	79.30	254.05	8.77	11,346.73	-692.54	-449.19	93.00	620.40	212.97	825.46
126	11,748.00	88.48	256.51	10.00	11,356.84	-716.50	-540.45	95.00	714.74	217.03	897.47
127	11,839.00	93.41	257.48	5.52	11,355.34	-736.97	-629.08	91.00	805.59	220.48	968.95
128	11,934.00	94.99	257.83	1.70	11,348.38	-757.22	-721.63	95.00	900.17	223.62	1,046.01
129	12,028.00	92.18	258.89	3.19	11,342.50	-776.15	-813.50	94.00	993.73	226.35	1,124.36
130	12,121.00	85.45	257.04	7.50	11,344.42	-795.52	-904.38	93.00	1,086.46	228.66	1,204.48
131	12,215.00	86.15	256.51	0.93	11,351.31	-816.97	-995.64	94.00	1,180.11	230.63	1,287.92
132	12,309.00	90.86	257.83	5.20	11,353.76	-837.83	-1,087.24	94.00	1,273.93	232.38	1,372.60
133	12,366.00	92.48	259.85	4.54	11,352.10	-848.85	-1,143.13	57.00	1,330.71	233.40	1,423.83
134	12,461.00	92.88	258.36	1.62	11,347.66	-866.79	-1,236.31	95.00	1,425.27	234.97	1,509.90
135	12,555.00	93.93	255.63	3.11	11,342.07	-887.90	-1,327.73	94.00	1,518.98	236.23	1,597.26
136	12,650.00	91.43	251.68	4.92	11,337.63	-914.60	-1,418.77	95.00	1,613.85	237.19	1,688.02
137	12,744.00	89.05	252.73	2.77	11,337.23	-943.33	-1,508.26	94.00	1,707.78	237.98	1,778.97
138	12,838.00	90.37	254.49	2.34	11,337.71	-969.85	-1,598.43	94.00	1,801.77	238.75	1,869.65
139	12,932.00	91.52	256.34	2.32	11,336.16	-993.52	-1,689.39	94.00	1,895.73	239.54	1,959.87
140	13,027.00	86.24	253.52	6.30	11,338.02	-1,018.20	-1,781.06	95.00	1,990.66	240.24	2,051.56
141	13,122.00	84.26	250.36	3.92	11,345.88	-1,047.54	-1,871.06	95.00	2,085.24	240.76	2,144.34
142	13,216.00	84.31	249.48	0.93	11,355.25	-1,079.65	-1,958.90	94.00	2,178.51	241.14	2,236.73
143	13,310.00	87.34	249.39	3.22	11,362.09	-1,112.58	-2,046.67	94.00	2,271.92	241.47	2,329.52
144	13,404.00	92.57	251.42	5.97	11,362.16	-1,144.09	-2,135.19	94.00	2,365.67	241.82	2,422.39
145	13,499.00	93.01	252.73	1.45	11,357.54	-1,173.30	-2,225.47	95.00	2,460.49	242.20	2,515.82

146	13,591.00	94.02	252.21	1.23	11,351.90	-1,200.95	-2,313.03	92.00	2,552.27	242.56	2,606.22
147	13,684.00	89.32	249.39	5.89	11,349.19	-1,231.52	-2,400.78	93.00	2,645.02	242.84	2,698.22
148	13,779.00	86.64	247.72	3.32	11,352.54	-1,266.22	-2,489.14	95.00	2,739.49	243.04	2,792.70
149	13,872.00	91.12	250.45	5.64	11,354.35	-1,299.40	-2,575.97	93.00	2,832.06	243.23	2,885.14
150	13,964.00	91.30	249.31	1.25	11,352.41	-1,331.04	-2,662.33	92.00	2,923.77	243.44	2,976.52
151	14,058.00	89.36	249.66	2.10	11,351.87	-1,363.98	-2,750.37	94.00	3,017.44	243.62	3,070.01
152	14,151.00	89.76	253.35	3.99	11,352.58	-1,393.48	-2,838.54	93.00	3,110.32	243.85	3,162.14
153	14,245.00	92.04	256.16	3.85	11,351.11	-1,418.19	-2,929.21	94.00	3,204.29	244.17	3,254.46
154	14,340.00	87.74	257.39	4.71	11,351.29	-1,439.92	-3,021.67	95.00	3,299.17	244.52	3,347.21
155	14,432.00	91.74	260.12	5.26	11,351.71	-1,457.85	-3,111.87	92.00	3,390.86	244.90	3,436.43
156	14,526.00	87.38	259.50	4.68	11,352.43	-1,474.48	-3,204.36	94.00	3,484.39	245.29	3,527.33
157	14,619.00	91.87	260.73	5.01	11,353.04	-1,490.44	-3,295.96	93.00	3,576.87	245.67	3,617.28
158	14,713.00	92.09	262.05	1.42	11,349.79	-1,504.50	-3,388.84	94.00	3,670.08	246.06	3,707.80
159	14,808.00	90.46	260.82	2.15	11,347.68	-1,518.64	-3,482.75	95.00	3,764.30	246.44	3,799.45
160	14,902.00	90.68	259.85	1.06	11,346.74	-1,534.42	-3,575.41	94.00	3,857.77	246.77	3,890.76
161	14,995.00	92.62	259.24	2.19	11,344.06	-1,551.29	-3,666.83	93.00	3,950.33	247.07	3,981.47
162	15,089.00	91.56	257.83	1.88	11,340.63	-1,569.96	-3,758.88	94.00	4,044.00	247.33	4,073.57
163	15,182.00	93.45	258.71	2.24	11,336.57	-1,588.85	-3,849.85	93.00	4,136.67	247.57	4,164.83
164	15,275.00	92.53	260.38	2.05	11,331.72	-1,605.70	-3,941.18	93.00	4,229.14	247.83	4,255.72
165	15,370.00	89.80	264.77	5.44	11,329.79	-1,617.97	-4,035.33	95.00	4,323.09	248.15	4,347.61
166	15,464.00	90.02	267.68	3.10	11,329.93	-1,624.16	-4,129.12	94.00	4,415.03	248.53	4,437.06
167	15,558.00	90.42	271.89	4.50	11,329.57	-1,624.51	-4,223.09	94.00	4,505.57	248.96	4,524.77
168	15,653.00	93.36	274.88	4.41	11,326.44	-1,618.91	-4,317.85	95.00	4,595.25	249.45	4,611.37
169	15,747.00	91.91	274.27	1.67	11,322.12	-1,611.42	-4,411.45	94.00	4,683.29	249.93	4,696.55
170	15,842.00	88.97	267.31	7.95	11,321.39	-1,610.11	-4,506.37	95.00	4,774.29	250.34	4,785.38
171	15,938.00	89.54	253.16	14.75	11,322.64	-1,626.35	-4,600.73	96.00	4,869.51	250.53	4,879.73
172	16,033.00	90.37	252.99	0.89	11,322.72	-1,654.01	-4,691.62	95.00	4,964.49	250.58	4,974.64
173	16,128.00	89.05	258.09	5.55	11,323.20	-1,677.72	-4,783.57	95.00	5,059.43	250.67	5,069.25
174	16,221.00	89.76	262.57	4.88	11,324.16	-1,693.34	-4,875.22	93.00	5,151.88	250.85	5,160.93
175	16,314.00	90.07	267.23	5.02	11,324.30	-1,701.60	-4,967.83	93.00	5,243.25	251.09	5,251.17
176	16,407.00	90.59	268.37	1.35	11,323.77	-1,705.17	-5,060.76	93.00	5,333.65	251.38	5,340.31
177	16,498.00	90.51	270.83	2.70	11,322.89	-1,705.81	-5,151.74	91.00	5,421.39	251.68	5,426.81
178	16,590.00	91.96	276.54	6.40	11,320.91	-1,699.90	-5,243.49	92.00	5,508.09	252.04	5,512.16

179	16,681.00	88.09	274.43	4.84	11,320.87	-1,691.21	-5,334.05	91.00	5,592.88	252.41	5,595.74
180	16,772.00	89.54	277.25	3.48	11,322.75	-1,681.95	-5,424.55	91.00	5,677.46	252.77	5,679.32
181	16,863.00	86.42	275.66	3.85	11,325.96	-1,671.73	-5,514.90	91.00	5,761.64	253.14	5,762.71
182	16,954.00	89.41	274.78	3.42	11,329.27	-1,663.45	-5,605.45	91.00	5,846.54	253.47	5,847.07
183	17,046.00	88.04	274.26	1.59	11,331.32	-1,656.21	-5,697.14	92.00	5,932.81	253.79	5,933.00
184	17,137.00	88.79	272.15	2.46	11,333.83	-1,651.12	-5,787.96	91.00	6,018.84	254.08	6,018.86
185	17,228.00	88.84	269.60	2.80	11,335.72	-1,649.73	-5,878.92	91.00	6,106.00	254.32	6,106.01
186	17,319.00	86.46	266.26	4.50	11,339.45	-1,653.01	-5,969.77	91.00	6,194.32	254.52	6,194.40
187	17,409.00	85.93	259.93	7.04	11,345.43	-1,663.80	-6,058.87	90.00	6,283.01	254.64	6,283.17
188	17,500.00	90.64	258.61	5.37	11,348.15	-1,680.73	-6,148.21	91.00	6,373.59	254.71	6,373.81
189	17,591.00	90.55	258.70	0.14	11,347.20	-1,698.63	-6,237.43	91.00	6,464.32	254.77	6,464.59
190	17,683.00	89.80	260.37	1.99	11,346.92	-1,715.34	-6,327.90	92.00	6,555.92	254.83	6,556.27
191	17,774.00	90.20	261.34	1.15	11,346.92	-1,729.80	-6,417.74	91.00	6,646.31	254.92	6,646.77
192	17,866.00	89.89	257.82	3.84	11,346.85	-1,746.44	-6,508.21	92.00	6,737.90	254.98	6,738.46
193	17,956.00	89.10	251.49	7.09	11,347.64	-1,770.24	-6,594.95	90.00	6,827.84	254.97	6,828.41
194	18,046.00	90.42	252.90	2.15	11,348.02	-1,797.76	-6,680.63	90.00	6,917.78	254.94	6,918.30
195	18,138.00	92.04	248.59	5.00	11,346.05	-1,828.09	-6,767.44	92.00	7,009.57	254.88	7,010.01
196	18,222.00	89.36	245.87	4.55	11,345.02	-1,860.59	-6,844.88	84.00	7,092.92	254.79	7,093.25
197	18,316.00	91.12	246.57	2.01	11,344.63	-1,898.49	-6,930.89	94.00	7,185.99	254.68	7,186.20
198	18,411.00	91.78	249.21	2.86	11,342.22	-1,934.23	-7,018.87	95.00	7,280.37	254.59	7,280.51
199	18,505.00	92.70	249.38	1.00	11,338.55	-1,967.44	-7,106.73	94.00	7,373.95	254.53	7,374.04
200	18,599.00	92.13	250.88	1.71	11,334.59	-1,999.36	-7,195.05	94.00	7,467.62	254.47	7,467.68
201	18,694.00	90.81	252.64	2.32	11,332.15	-2,029.08	-7,285.24	95.00	7,562.49	254.44	7,562.54
202	18,787.00	88.92	251.23	2.54	11,332.37	-2,057.92	-7,373.65	93.00	7,655.41	254.41	7,655.44
203	18,883.00	91.12	255.62	5.11	11,332.33	-2,085.30	-7,465.64	96.00	7,751.37	254.39	7,751.40
204	18,977.00	92.57	255.71	1.55	11,329.31	-2,108.56	-7,556.66	94.00	7,845.29	254.41	7,845.33
205	19,072.00	89.85	254.04	3.36	11,327.30	-2,133.34	-7,648.34	95.00	7,940.25	254.41	7,940.29
206	19,167.00	89.76	254.66	0.66	11,327.63	-2,158.97	-7,739.81	95.00	8,035.25	254.41	8,035.29
207	19,261.00	90.02	255.45	0.88	11,327.81	-2,183.21	-7,830.63	94.00	8,129.24	254.42	8,129.28
208	19,355.00	87.96	255.10	2.22	11,329.46	-2,207.09	-7,921.53	94.00	8,223.21	254.43	8,223.25
209	19,449.00	88.26	254.75	0.49	11,332.56	-2,231.53	-8,012.24	94.00	8,317.15	254.44	8,317.20
210	19,542.00	90.11	256.59	2.81	11,333.89	-2,254.54	-8,102.33	93.00	8,410.10	254.45	8,410.16
211	19,637.00	86.20	254.22	4.81	11,336.94	-2,278.46	-8,194.20	95.00	8,505.01	254.46	8,505.07

212	19,732.00	85.89	252.64	1.69	11,343.50	-2,305.49	-8,285.03	95.00	8,599.77	254.45	8,599.83
213	19,826.00	87.87	252.99	2.14	11,348.61	-2,333.22	-8,374.70	94.00	8,693.59	254.43	8,693.64
214	19,920.00	90.11	252.81	2.39	11,350.27	-2,360.85	-8,464.52	94.00	8,787.55	254.42	8,787.59
215	20,014.00	88.79	252.81	1.40	11,351.17	-2,388.63	-8,554.32	94.00	8,881.51	254.40	8,881.55
216	20,108.00	90.99	253.34	2.41	11,351.35	-2,415.99	-8,644.24	94.00	8,975.49	254.38	8,975.52
217	20,201.00	89.85	249.74	4.06	11,350.67	-2,445.44	-8,732.43	93.00	9,068.36	254.36	9,068.38
218	20,295.00	90.46	249.03	1.00	11,350.42	-2,478.53	-8,820.41	94.00	9,162.03	254.30	9,162.03
219	20,387.00	88.79	246.75	3.07	11,351.02	-2,513.15	-8,905.64	92.00	9,253.45	254.24	9,253.45
220	20,481.00	91.60	250.88	5.31	11,350.70	-2,547.11	-8,993.26	94.00	9,347.00	254.19	9,347.00
221	20,574.00	96.75	253.69	6.30	11,343.93	-2,575.33	-9,081.57	93.00	9,439.66	254.17	9,439.66
222	20,669.00	98.29	257.82	4.60	11,331.49	-2,598.51	-9,172.83	95.00	9,533.78	254.18	9,533.79
223	20,763.00	94.07	262.13	6.40	11,321.37	-2,614.75	-9,264.82	94.00	9,626.72	254.24	9,626.72
224	20,855.00	90.20	263.36	4.41	11,317.94	-2,626.36	-9,356.00	92.00	9,717.63	254.32	9,717.64
225	20,950.00	84.92	259.23	7.05	11,321.99	-2,640.71	-9,449.77	95.00	9,811.77	254.39	9,811.80
226	21,045.00	86.42	248.86	11.00	11,329.18	-2,666.72	-9,540.72	95.00	9,906.37	254.38	9,906.40
227	21,139.00	93.41	245.43	8.28	11,329.32	-2,703.20	-9,627.27	94.00	9,999.57	254.32	9,999.58
228	21,233.00	96.04	245.17	2.81	11,321.58	-2,742.35	-9,712.37	94.00	10,092.11	254.23	10,092.11
229	21,327.00	97.32	248.07	3.35	11,310.64	-2,779.39	-9,798.06	94.00	10,184.63	254.16	10,184.64
230	21,421.00	97.98	254.13	6.43	11,298.11	-2,809.56	-9,886.15	94.00	10,277.61	254.14	10,277.63
231	21,515.00	94.15	259.58	7.06	11,288.18	-2,830.79	-9,977.13	94.00	10,370.93	254.16	10,370.94
232	21,609.00	89.71	265.20	7.62	11,285.01	-2,843.21	-10,070.19	94.00	10,463.87	254.23	10,463.87
233	21,638.00	90.46	264.59	3.33	11,284.97	-2,845.80	-10,099.07	29.00	10,492.37	254.26	10,492.37
PTB	21,701.00	90.46	264.59	0.00	11,284.46	-2,851.73	-10,161.79	63.00	10,554.34	254.32	10,554.35