



Final MWD Survey Certification

Eddy County, New Mexico

Client: Devon Energy

Well Name: Belloq 11-2 Fed State Com 734H

Total Job No: SW-200161

API No: 30-015-46756

Start Date: 3/8/2020

End Date: 5/18/2020

Measured Start Depth: 0 feet

Measured End Depth with PTB: 22,326 feet

I, Mike Smitham, MWD Operator, hereby certify that; I am employed by Total Directional Services, LLC and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 5/20/2020

Signed: Mike Smitham



Belloq 11-2 Fed State Com 734H

Directional Survey Report

Start date: March 8, 2020

End date: March 18, 2020

Company: Devon Energy	State/Prov: NM	Survey Company: Total Directional Services LLC
Well Name: Belloq 11-2 Fed State Com 734H	County: Eddy County	Job Number: SW-200161
Field: Eddy	Country: USA	Proposed Azimuth: 2.6
Rig ID: Cactus 103	Declination: 6.43	Elevations KB: 3516.9
API/UWI: 30-015-46756	North Reference: Grid	DF: 27
Location: Belloq 11-2 Fed State Com	Latitude/Longitude: 32.313083 / -103.742972	GL: 3489.9

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
TieIn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	
1	211.00	0.30	14.30	211.00	0.54	0.14	0.54	0.55	14.30	0.14	211.00
2	306.00	0.40	35.60	306.00	1.05	0.39	1.06	1.12	20.49	0.17	95.00
3	401.00	0.30	342.70	401.00	1.55	0.51	1.57	1.63	18.18	0.34	95.00
4	496.00	0.30	346.60	495.99	2.03	0.38	2.05	2.07	10.55	0.02	95.00
5	592.00	0.50	1.30	591.99	2.70	0.33	2.71	2.72	6.97	0.23	96.00
6	686.00	0.50	335.80	685.99	3.48	0.17	3.48	3.48	2.81	0.23	94.00
7	745.00	0.60	342.30	744.99	4.01	-0.03	4.00	4.01	359.59	0.20	59.00
8	893.00	0.30	327.30	892.98	5.07	-0.47	5.05	5.10	354.67	0.22	148.00
9	989.00	0.60	317.20	988.98	5.65	-0.95	5.60	5.73	350.45	0.32	96.00
10	1,084.00	0.50	322.10	1,083.97	6.35	-1.54	6.27	6.53	346.33	0.12	95.00
11	1,179.00	0.40	331.90	1,178.97	6.97	-1.95	6.87	7.23	344.33	0.13	95.00
12	1,274.00	0.30	314.80	1,273.97	7.43	-2.29	7.32	7.78	342.90	0.15	95.00
13	1,369.00	0.20	342.50	1,368.97	7.77	-2.51	7.64	8.16	342.07	0.16	95.00
14	1,464.00	0.20	22.80	1,463.97	8.08	-2.50	7.96	8.45	342.81	0.15	95.00
15	1,559.00	0.60	151.10	1,558.97	7.79	-2.19	7.69	8.10	344.28	0.78	95.00
16	1,654.00	2.20	155.30	1,653.93	5.70	-1.19	5.64	5.83	348.20	1.69	95.00
17	1,750.00	3.70	158.90	1,749.80	1.14	0.69	1.17	1.33	31.35	1.57	96.00
18	1,845.00	4.20	168.10	1,844.58	-5.13	2.51	-5.01	5.71	153.87	0.85	95.00
19	1,940.00	5.10	169.20	1,939.27	-12.68	4.02	-12.48	13.30	162.39	0.95	95.00
20	2,035.00	5.40	167.40	2,033.87	-21.19	5.79	-20.90	21.96	164.72	0.36	95.00
21	2,131.00	5.50	158.10	2,129.44	-29.86	8.49	-29.45	31.05	164.13	0.92	96.00
22	2,226.00	6.80	150.90	2,223.89	-39.00	12.92	-38.38	41.09	161.67	1.59	95.00
23	2,321.00	7.70	139.50	2,318.13	-48.76	19.79	-47.81	52.62	157.91	1.78	95.00
24	2,416.00	7.90	134.00	2,412.25	-58.13	28.62	-56.77	64.80	153.79	0.81	95.00
25	2,512.00	7.50	135.10	2,507.39	-67.15	37.79	-65.37	77.06	150.63	0.44	96.00
26	2,607.00	7.50	134.00	2,601.58	-75.85	46.63	-73.66	89.04	148.42	0.15	95.00
27	2,703.00	7.40	135.80	2,696.77	-84.64	55.44	-82.03	101.18	146.77	0.26	96.00
28	2,798.00	8.10	144.10	2,790.90	-94.44	63.63	-91.46	113.88	146.03	1.39	95.00
29	2,893.00	7.80	145.90	2,884.99	-105.20	71.17	-101.87	127.02	145.92	0.41	95.00
30	2,988.00	7.30	142.10	2,979.16	-115.30	78.49	-111.63	139.49	145.75	0.74	95.00
31	3,083.00	6.80	140.80	3,073.45	-124.43	85.76	-120.41	151.12	145.42	0.55	95.00
32	3,178.00	6.60	139.90	3,167.80	-132.96	92.83	-128.61	162.16	145.08	0.24	95.00
33	3,274.00	6.50	139.60	3,263.17	-141.32	99.90	-136.64	173.07	144.74	0.11	96.00
34	3,369.00	6.20	141.70	3,357.59	-149.44	106.57	-144.45	183.55	144.51	0.40	95.00
35	3,464.00	5.90	141.80	3,452.06	-157.30	112.77	-152.03	193.55	144.36	0.32	95.00
36	3,560.00	6.20	141.50	3,547.52	-165.24	119.05	-159.67	203.65	144.23	0.31	96.00
37	3,655.00	8.10	135.50	3,641.78	-174.03	126.93	-168.09	215.40	143.89	2.15	95.00
38	3,750.00	8.90	136.30	3,735.74	-184.11	136.70	-177.72	229.31	143.41	0.85	95.00
39	3,845.00	8.70	136.20	3,829.62	-194.61	146.75	-187.75	243.74	142.98	0.21	95.00
40	3,940.00	8.10	134.90	3,923.60	-204.52	156.46	-197.21	257.51	142.58	0.66	95.00
41	4,036.00	8.80	140.70	4,018.56	-214.98	165.91	-207.23	271.55	142.34	1.15	96.00
42	4,131.00	9.10	142.40	4,112.40	-226.55	175.09	-218.38	286.33	142.30	0.42	95.00
43	4,226.00	9.10	140.40	4,206.21	-238.29	184.46	-229.68	301.35	142.26	0.33	95.00
44	4,322.00	8.50	138.50	4,301.08	-249.46	194.00	-240.40	316.02	142.13	0.69	96.00
45	4,388.00	8.00	139.60	4,366.39	-256.61	200.21	-247.26	325.47	142.04	0.79	66.00
46	4,523.00	7.20	137.30	4,500.21	-269.98	212.04	-260.08	343.29	141.85	0.63	135.00
47	4,618.00	7.60	141.40	4,594.42	-279.27	220.00	-269.00	355.51	141.77	0.70	95.00
48	4,714.00	9.10	144.90	4,689.40	-290.44	228.32	-279.78	369.44	141.83	1.65	96.00
49	4,809.00	9.20	143.50	4,783.19	-302.69	237.16	-291.62	384.53	141.92	0.26	95.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
50	4,904.00	9.00	140.80	4,876.99	-314.55	246.37	-303.05	399.55	141.93	0.50	95.00
51	4,999.00	8.80	138.50	4,970.85	-325.75	255.88	-313.81	414.24	141.85	0.43	95.00
52	5,095.00	8.60	141.10	5,065.74	-336.84	265.26	-324.46	428.75	141.78	0.46	96.00
53	5,190.00	9.20	144.40	5,159.60	-348.54	274.14	-335.75	443.43	141.81	0.83	95.00
54	5,285.00	9.40	144.50	5,253.35	-361.03	283.07	-347.82	458.77	141.90	0.21	95.00
55	5,380.00	8.40	140.10	5,347.21	-372.67	292.02	-359.04	473.46	141.92	1.27	95.00
56	5,475.00	8.00	137.40	5,441.24	-382.86	300.95	-368.82	486.98	141.83	0.58	95.00
57	5,570.00	7.60	137.70	5,535.36	-392.38	309.65	-377.92	499.84	141.72	0.42	95.00
58	5,665.00	7.20	147.00	5,629.57	-402.02	317.12	-387.22	512.04	141.73	1.33	95.00
59	5,761.00	7.30	149.60	5,724.80	-412.32	323.48	-397.22	524.07	141.88	0.36	96.00
60	5,856.00	6.70	148.20	5,819.09	-422.24	329.46	-406.86	535.56	142.04	0.66	95.00
61	5,951.00	5.80	144.90	5,913.53	-430.87	335.14	-415.23	545.87	142.12	1.02	95.00
62	6,046.00	5.10	143.20	6,008.10	-438.18	340.43	-422.29	554.88	142.16	0.76	95.00
63	6,141.00	5.00	139.10	6,102.73	-444.69	345.67	-428.55	563.24	142.14	0.39	95.00
64	6,237.00	4.40	135.40	6,198.41	-450.48	350.99	-434.09	571.07	142.08	0.70	96.00
65	6,332.00	3.30	140.90	6,293.19	-455.19	355.28	-438.61	577.43	142.03	1.22	95.00
66	6,427.00	2.50	152.30	6,388.07	-459.15	357.96	-442.44	582.20	142.06	1.03	95.00
67	6,522.00	2.30	159.10	6,482.99	-462.77	359.61	-445.98	586.06	142.15	0.37	95.00
68	6,618.00	2.50	154.90	6,578.90	-466.46	361.18	-449.60	589.95	142.25	0.28	96.00
69	6,713.00	2.20	151.10	6,673.82	-469.93	362.94	-452.99	593.77	142.32	0.36	95.00
70	6,808.00	0.01	227.20	6,768.80	-471.54	363.82	-454.55	595.58	142.35	2.31	95.00
71	6,903.00	0.40	274.20	6,863.80	-471.52	363.48	-454.54	595.35	142.37	0.41	95.00
72	6,999.00	0.90	251.20	6,959.79	-471.74	362.43	-454.81	594.89	142.47	0.58	96.00
73	7,094.00	1.00	239.20	7,054.78	-472.40	361.01	-455.54	594.55	142.61	0.23	95.00
74	7,189.00	0.80	223.10	7,149.77	-473.31	359.85	-456.50	594.57	142.75	0.34	95.00
75	7,284.00	1.20	286.50	7,244.76	-473.51	358.44	-456.76	593.88	142.87	1.16	95.00
76	7,379.00	2.20	299.30	7,339.71	-472.34	355.90	-455.71	591.41	143.00	1.12	95.00
77	7,475.00	2.20	296.20	7,435.64	-470.62	352.64	-454.14	588.08	143.16	0.12	96.00
78	7,570.00	2.50	295.60	7,530.56	-468.92	349.13	-452.60	584.62	143.33	0.32	95.00
79	7,665.00	2.50	294.80	7,625.47	-467.16	345.38	-451.01	580.97	143.52	0.04	95.00
80	7,760.00	2.50	288.40	7,720.38	-465.63	341.54	-449.66	577.46	143.74	0.29	95.00
81	7,855.00	2.80	288.50	7,815.28	-464.24	337.37	-448.46	573.88	143.99	0.32	95.00
82	7,950.00	2.60	291.40	7,910.17	-462.72	333.16	-447.13	570.18	144.25	0.25	95.00
83	8,046.00	2.70	300.80	8,006.07	-460.77	329.19	-445.36	566.28	144.46	0.46	96.00
84	8,141.00	2.50	295.70	8,100.97	-458.72	325.41	-443.49	562.42	144.65	0.32	95.00
85	8,236.00	2.40	294.90	8,195.89	-456.99	321.73	-441.92	558.88	144.85	0.11	95.00
86	8,331.00	2.20	285.90	8,290.81	-455.65	318.18	-440.75	555.75	145.07	0.43	95.00
87	8,426.00	2.00	279.90	8,385.75	-454.87	314.79	-440.12	553.17	145.31	0.31	95.00
88	8,522.00	2.00	252.80	8,481.69	-455.07	311.54	-440.47	551.50	145.60	0.98	96.00
89	8,617.00	1.80	240.80	8,576.64	-456.29	308.65	-441.82	550.88	145.92	0.47	95.00
90	8,712.00	1.50	255.70	8,671.60	-457.33	306.15	-442.97	550.34	146.20	0.55	95.00
91	8,807.00	1.70	252.40	8,766.56	-458.06	303.60	-443.82	549.54	146.46	0.23	95.00
92	8,902.00	1.60	273.30	8,861.52	-458.41	300.93	-444.29	548.36	146.72	0.64	95.00
93	8,998.00	1.80	279.70	8,957.48	-458.08	298.11	-444.08	546.54	146.94	0.29	96.00
94	9,093.00	1.30	292.20	9,052.45	-457.42	295.64	-443.54	544.64	147.12	0.63	95.00
95	9,188.00	0.50	272.60	9,147.44	-456.99	294.23	-443.18	543.52	147.23	0.89	95.00
96	9,283.00	0.90	189.90	9,242.43	-457.71	293.68	-443.92	543.83	147.31	1.02	95.00
97	9,379.00	1.30	179.70	9,338.41	-459.54	293.56	-445.75	545.30	147.43	0.46	96.00
98	9,474.00	1.50	186.60	9,433.38	-461.86	293.42	-448.07	547.18	147.57	0.27	95.00
99	9,569.00	0.90	199.40	9,528.36	-463.79	293.03	-450.02	548.61	147.71	0.69	95.00
100	9,664.00	0.10	261.00	9,623.36	-464.51	292.70	-450.75	549.04	147.78	0.90	95.00
101	9,760.00	0.30	354.00	9,719.36	-464.27	292.59	-450.52	548.78	147.78	0.33	96.00
102	9,855.00	0.70	196.00	9,814.36	-464.58	292.41	-450.84	548.95	147.81	1.04	95.00
103	9,950.00	1.40	203.20	9,909.34	-466.21	291.79	-452.49	549.99	147.96	0.75	95.00
104	10,045.00	1.50	217.50	10,004.31	-468.26	290.58	-454.60	551.09	148.18	0.39	95.00
105	10,141.00	2.00	228.10	10,100.26	-470.38	288.56	-456.80	551.84	148.47	0.62	96.00
106	10,236.00	2.20	270.70	10,195.21	-471.46	285.51	-458.03	551.17	148.80	1.62	95.00
107	10,331.00	2.10	278.70	10,290.14	-471.18	281.96	-457.90	549.10	149.10	0.33	95.00
108	10,426.00	1.60	261.00	10,385.09	-471.12	278.93	-457.98	547.50	149.37	0.79	95.00
109	10,521.00	1.60	243.20	10,480.05	-471.93	276.44	-458.90	546.93	149.64	0.52	95.00
110	10,616.00	2.00	241.90	10,575.01	-473.31	273.79	-460.40	546.79	149.95	0.42	95.00
111	10,712.00	1.90	238.00	10,670.95	-474.94	270.97	-462.16	546.80	150.29	0.17	96.00
112	10,807.00	1.40	219.10	10,765.91	-476.67	268.90	-463.98	547.29	150.57	0.77	95.00
113	10,902.00	1.00	199.40	10,860.89	-478.36	267.89	-465.71	548.26	150.75	0.60	95.00
114	10,997.00	1.90	187.80	10,955.86	-480.70	267.40	-468.07	550.07	150.91	0.99	95.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
115	11,092.00	3.40	182.20	11,050.76	-485.07	267.08	-472.46	553.74	151.16	1.60	95.00
116	11,130.00	4.20	182.30	11,088.67	-487.59	266.98	-474.98	555.90	151.30	2.11	38.00
117	11,284.00	8.00	181.00	11,241.77	-503.95	266.57	-491.33	570.10	152.12	2.47	154.00
118	11,353.00	6.30	179.60	11,310.23	-512.53	266.51	-499.92	577.68	152.53	2.48	69.00
119	11,379.00	4.80	166.00	11,336.11	-515.01	266.78	-502.38	580.01	152.62	7.64	26.00
120	11,441.00	4.00	132.10	11,397.94	-518.98	269.02	-506.24	584.56	152.60	4.31	62.00
121	11,474.00	2.10	126.70	11,430.89	-520.12	270.35	-507.32	586.18	152.53	5.82	33.00
122	11,519.00	2.40	339.50	11,475.88	-519.73	270.69	-506.91	585.99	152.49	9.59	45.00
123	11,569.00	8.90	10.60	11,525.62	-514.94	271.03	-502.11	581.91	152.24	13.91	50.00
124	11,614.00	13.40	20.80	11,569.76	-506.64	273.52	-493.71	575.76	151.64	10.88	45.00
125	11,664.00	21.00	17.40	11,617.49	-492.65	278.27	-479.52	565.81	150.54	15.33	50.00
126	11,760.00	34.30	15.10	11,702.34	-449.93	290.51	-436.28	535.57	147.15	13.90	96.00
127	11,854.00	48.10	15.30	11,772.89	-390.32	306.72	-376.01	496.42	141.84	14.68	94.00
128	11,950.00	59.30	17.10	11,829.64	-316.17	328.36	-300.95	455.83	133.92	11.76	96.00
129	12,045.00	65.70	12.20	11,873.50	-234.70	349.55	-218.60	421.03	123.88	8.14	95.00
130	12,140.00	68.30	4.40	11,910.67	-148.25	362.10	-131.68	391.27	112.27	8.04	95.00
131	12,235.00	77.80	0.50	11,938.34	-57.59	365.90	-40.93	370.40	98.94	10.74	95.00
132	12,330.00	90.50	3.00	11,948.01	36.67	368.80	53.37	370.62	84.32	13.62	95.00
133	12,426.00	91.50	4.80	11,946.33	132.43	375.33	149.32	398.01	70.57	2.14	96.00
134	12,521.00	90.10	4.20	11,945.01	227.13	382.78	244.26	445.10	59.32	1.60	95.00
135	12,616.00	90.90	3.70	11,944.18	321.90	389.33	339.23	505.17	50.42	0.99	95.00
136	12,710.00	88.80	4.50	11,944.42	415.65	396.05	433.19	574.12	43.62	2.39	94.00
137	12,806.00	88.30	3.60	11,946.85	511.38	402.83	529.13	650.98	38.23	1.07	96.00
138	12,900.00	89.80	4.90	11,948.41	605.10	409.79	623.07	730.81	34.11	2.11	94.00
139	12,996.00	90.10	4.80	11,948.49	700.76	417.91	718.99	815.91	30.81	0.33	96.00
140	13,091.00	89.60	2.90	11,948.74	795.54	424.29	813.97	901.61	28.07	2.07	95.00
141	13,186.00	91.00	3.30	11,948.25	890.40	429.42	908.96	988.54	25.75	1.53	95.00
142	13,282.00	90.40	2.80	11,947.07	986.25	434.53	1,004.95	1,077.73	23.78	0.81	96.00
143	13,377.00	90.30	4.10	11,946.49	1,081.08	440.25	1,099.93	1,167.28	22.16	1.37	95.00
144	13,472.00	89.10	4.10	11,946.99	1,175.83	447.04	1,194.90	1,257.94	20.82	1.26	95.00
145	13,567.00	89.50	4.80	11,948.15	1,270.54	454.41	1,289.84	1,349.35	19.68	0.85	95.00
146	13,663.00	88.80	4.80	11,949.57	1,366.19	462.44	1,385.76	1,442.33	18.70	0.73	96.00
147	13,758.00	88.20	3.50	11,952.06	1,460.90	469.31	1,480.69	1,534.44	17.81	1.51	95.00
148	13,853.00	87.40	0.40	11,955.71	1,555.77	472.55	1,575.60	1,625.95	16.90	3.37	95.00
149	13,948.00	88.50	359.00	11,959.11	1,650.70	472.05	1,670.42	1,716.87	15.96	1.87	95.00
150	14,044.00	90.90	0.40	11,959.61	1,746.69	471.55	1,766.28	1,809.22	15.11	2.89	96.00
151	14,139.00	91.10	2.30	11,957.95	1,841.64	473.78	1,861.24	1,901.61	14.43	2.01	95.00
152	14,234.00	91.80	3.20	11,955.55	1,936.50	478.34	1,956.21	1,994.71	13.88	1.20	95.00
153	14,329.00	92.10	2.70	11,952.32	2,031.32	483.23	2,051.15	2,088.01	13.38	0.61	95.00
154	14,425.00	90.50	1.20	11,950.14	2,127.23	486.49	2,147.11	2,182.16	12.88	2.28	96.00
155	14,557.00	88.80	0.60	11,950.94	2,259.21	488.56	2,279.05	2,311.43	12.20	1.37	132.00
156	14,652.00	89.30	359.80	11,952.52	2,354.20	488.90	2,373.95	2,404.42	11.73	0.99	95.00
157	14,747.00	88.90	359.70	11,954.01	2,449.18	488.48	2,468.82	2,497.42	11.28	0.43	95.00
158	14,842.00	88.50	359.40	11,956.17	2,544.16	487.74	2,563.66	2,590.49	10.85	0.53	95.00
159	14,938.00	88.80	0.40	11,958.43	2,640.13	487.57	2,659.53	2,684.77	10.46	1.09	96.00
160	15,033.00	88.80	359.00	11,960.42	2,735.10	487.07	2,754.38	2,778.13	10.10	1.47	95.00
161	15,128.00	90.10	359.80	11,961.33	2,830.09	486.08	2,849.23	2,871.53	9.75	1.61	95.00
162	15,223.00	91.30	0.20	11,960.17	2,925.08	486.08	2,944.12	2,965.19	9.43	1.33	95.00
163	15,319.00	91.80	0.60	11,957.57	3,021.04	486.75	3,040.01	3,060.00	9.15	0.67	96.00
164	15,414.00	91.30	0.70	11,955.00	3,116.00	487.82	3,134.92	3,153.96	8.90	0.54	95.00
165	15,509.00	91.30	0.10	11,952.85	3,210.98	488.49	3,229.83	3,247.92	8.65	0.63	95.00
166	15,604.00	91.30	0.80	11,950.69	3,305.95	489.23	3,324.74	3,341.95	8.42	0.74	95.00
167	15,699.00	90.80	2.00	11,948.95	3,400.90	491.55	3,419.70	3,436.24	8.22	1.37	95.00
168	15,795.00	89.50	1.60	11,948.70	3,496.85	494.57	3,515.69	3,531.65	8.05	1.42	96.00
169	15,890.00	88.60	2.00	11,950.27	3,591.79	497.55	3,610.66	3,626.09	7.89	1.04	95.00
170	15,985.00	88.40	0.50	11,952.76	3,686.73	499.62	3,705.60	3,720.43	7.72	1.59	95.00
171	16,080.00	89.50	359.70	11,954.50	3,781.71	499.79	3,800.49	3,814.60	7.53	1.43	95.00
172	16,176.00	88.10	358.50	11,956.51	3,877.68	498.28	3,896.29	3,909.56	7.32	1.92	96.00
173	16,271.00	86.00	357.30	11,961.40	3,972.48	494.81	3,990.84	4,003.18	7.10	2.55	95.00
174	16,366.00	91.70	357.50	11,963.31	4,067.32	490.50	4,085.39	4,096.79	6.88	6.00	95.00
175	16,461.00	90.10	355.70	11,961.82	4,162.14	484.87	4,179.85	4,190.28	6.64	2.53	95.00
176	16,557.00	90.90	357.10	11,960.98	4,257.94	478.84	4,275.28	4,284.78	6.42	1.68	96.00
177	16,652.00	91.80	357.10	11,958.74	4,352.79	474.03	4,369.82	4,378.53	6.22	0.95	95.00
178	16,747.00	90.70	356.90	11,956.67	4,447.64	469.06	4,464.34	4,472.30	6.02	1.18	95.00
179	16,842.00	92.10	358.80	11,954.35	4,542.54	465.50	4,558.98	4,566.33	5.85	2.48	95.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
180	16,937.00	91.70	0.40	11,951.20	4,637.48	464.84	4,653.79	4,660.72	5.72	1.74	95.00
181	17,033.00	91.70	0.10	11,948.35	4,733.44	465.26	4,749.67	4,756.25	5.61	0.31	96.00
182	17,128.00	90.60	0.20	11,946.44	4,828.41	465.50	4,844.56	4,850.80	5.51	1.16	95.00
183	17,223.00	90.40	0.30	11,945.61	4,923.41	465.92	4,939.48	4,945.41	5.41	0.24	95.00
184	17,318.00	90.70	1.20	11,944.70	5,018.40	467.16	5,034.42	5,040.09	5.32	1.00	95.00
185	17,413.00	90.60	1.20	11,943.62	5,113.37	469.15	5,129.39	5,134.85	5.24	0.11	95.00
186	17,508.00	91.20	2.30	11,942.13	5,208.31	472.05	5,224.36	5,229.66	5.18	1.32	95.00
187	17,603.00	91.50	2.80	11,939.89	5,303.19	476.28	5,319.34	5,324.53	5.13	0.61	95.00
188	17,698.00	89.80	4.80	11,938.81	5,397.97	482.57	5,414.30	5,419.50	5.11	2.76	95.00
189	17,793.00	88.30	3.50	11,940.39	5,492.70	489.45	5,509.25	5,514.46	5.09	2.09	95.00
190	17,888.00	87.30	2.70	11,944.04	5,587.49	494.58	5,604.17	5,609.34	5.06	1.35	95.00
191	17,983.00	87.70	2.70	11,948.18	5,682.29	499.05	5,699.08	5,704.17	5.02	0.42	95.00
192	18,080.00	86.70	1.40	11,952.92	5,779.11	502.52	5,795.96	5,800.92	4.97	1.69	97.00
193	18,175.00	88.00	359.90	11,957.31	5,874.00	503.59	5,890.80	5,895.55	4.90	2.09	95.00
194	18,270.00	90.30	0.40	11,958.72	5,968.98	503.84	5,985.69	5,990.21	4.82	2.48	95.00
195	18,365.00	90.10	0.30	11,958.39	6,063.98	504.42	6,080.62	6,084.92	4.76	0.24	95.00
196	18,460.00	89.40	359.50	11,958.80	6,158.98	504.26	6,175.51	6,179.59	4.68	1.12	95.00
197	18,556.00	89.40	359.70	11,959.81	6,254.97	503.59	6,271.38	6,275.21	4.60	0.21	96.00
198	18,651.00	89.20	359.80	11,960.97	6,349.96	503.17	6,366.25	6,369.87	4.53	0.24	95.00
199	18,746.00	90.10	359.70	11,961.55	6,444.96	502.76	6,461.13	6,464.54	4.46	0.95	95.00
200	18,841.00	89.60	359.20	11,961.80	6,539.95	501.85	6,555.99	6,559.18	4.39	0.74	95.00
201	18,936.00	89.80	359.50	11,962.30	6,634.95	500.77	6,650.83	6,653.82	4.32	0.38	95.00
202	19,031.00	88.70	359.60	11,963.54	6,729.93	500.02	6,745.69	6,748.48	4.25	1.16	95.00
203	19,126.00	88.30	358.20	11,966.03	6,824.88	498.20	6,840.45	6,843.04	4.18	1.53	95.00
204	19,222.00	90.00	357.10	11,967.45	6,920.78	494.26	6,936.08	6,938.41	4.08	2.11	96.00
205	19,317.00	88.90	356.60	11,968.36	7,015.63	489.04	7,030.60	7,032.66	3.99	1.27	95.00
206	19,412.00	91.70	356.00	11,967.87	7,110.43	482.91	7,125.01	7,126.81	3.89	3.01	95.00
207	19,507.00	92.50	357.00	11,964.38	7,205.18	477.12	7,219.41	7,220.96	3.79	1.35	95.00
208	19,602.00	92.20	357.20	11,960.49	7,299.98	472.32	7,313.89	7,315.24	3.70	0.38	95.00
209	19,697.00	92.80	358.30	11,956.34	7,394.82	468.59	7,408.46	7,409.65	3.63	1.32	95.00
210	19,792.00	91.40	358.10	11,952.86	7,489.70	465.61	7,503.11	7,504.16	3.56	1.49	95.00
211	19,887.00	90.50	358.60	11,951.29	7,584.65	462.87	7,597.84	7,598.76	3.49	1.08	95.00
212	19,982.00	89.30	357.80	11,951.45	7,679.60	459.89	7,692.56	7,693.36	3.43	1.52	95.00
213	20,078.00	89.30	358.10	11,952.63	7,775.53	456.45	7,788.23	7,788.92	3.36	0.31	96.00
214	20,173.00	88.90	358.00	11,954.12	7,870.46	453.22	7,882.92	7,883.50	3.30	0.43	95.00
215	20,268.00	88.70	357.60	11,956.11	7,965.37	449.58	7,977.57	7,978.05	3.23	0.47	95.00
216	20,364.00	88.40	358.90	11,958.54	8,061.29	446.65	8,073.26	8,073.66	3.17	1.39	96.00
217	20,459.00	90.10	359.40	11,959.78	8,156.27	445.24	8,168.07	8,168.42	3.12	1.87	95.00
218	20,554.00	90.80	359.20	11,959.04	8,251.26	444.08	8,262.91	8,263.20	3.08	0.77	95.00
219	20,649.00	90.50	359.10	11,957.96	8,346.24	442.67	8,357.73	8,357.98	3.04	0.33	95.00
220	20,745.00	89.20	358.40	11,958.21	8,442.22	440.57	8,453.51	8,453.71	2.99	1.54	96.00
221	20,840.00	90.80	359.00	11,958.21	8,537.19	438.42	8,548.29	8,548.44	2.94	1.80	95.00
222	20,935.00	91.50	359.20	11,956.30	8,632.16	436.93	8,643.09	8,643.21	2.90	0.77	95.00
223	21,030.00	91.60	359.90	11,953.73	8,727.12	436.18	8,737.92	8,738.01	2.86	0.74	95.00
224	21,125.00	91.40	359.60	11,951.25	8,822.09	435.77	8,832.77	8,832.84	2.83	0.38	95.00
225	21,220.00	91.00	0.00	11,949.26	8,917.07	435.43	8,927.64	8,927.69	2.80	0.60	95.00
226	21,316.00	91.00	0.10	11,947.58	9,013.05	435.52	9,023.53	9,023.57	2.77	0.10	96.00
227	21,411.00	90.40	0.00	11,946.42	9,108.04	435.60	9,118.43	9,118.45	2.74	0.64	95.00
228	21,506.00	90.10	359.40	11,946.01	9,203.04	435.10	9,213.30	9,213.32	2.71	0.71	95.00
229	21,601.00	89.40	358.60	11,946.42	9,298.02	433.45	9,308.11	9,308.12	2.67	1.12	95.00
230	21,696.00	88.30	357.50	11,948.33	9,392.95	430.21	9,402.79	9,402.79	2.62	1.64	95.00
231	21,791.00	88.00	357.40	11,951.39	9,487.80	425.99	9,497.36	9,497.36	2.57	0.33	95.00
232	21,887.00	87.50	357.30	11,955.16	9,583.63	421.55	9,592.88	9,592.89	2.52	0.53	96.00
233	21,982.00	89.40	357.50	11,957.73	9,678.49	417.25	9,687.45	9,687.48	2.47	2.01	95.00
234	22,077.00	89.70	357.00	11,958.48	9,773.38	412.69	9,782.04	9,782.09	2.42	0.61	95.00
235	22,173.00	89.60	356.80	11,959.07	9,869.23	407.50	9,877.56	9,877.64	2.36	0.23	96.00
236	22,268.00	89.90	357.10	11,959.48	9,964.10	402.44	9,972.10	9,972.22	2.31	0.45	95.00
237	22,274.00	89.90	357.10	11,959.49	9,970.09	402.14	9,978.07	9,978.20	2.31	0.00	6.00
PTB	22,326.00	89.90	357.10	11,959.58	10,022.02	399.51	10,029.83	10,029.98	2.28	0.00	52.00