



Final MWD Survey Certification

Eddy County, New Mexico

Client: Devon Energy

Well Name: Belloq 11-2 Fed State Com 714H

Total Job No: SW-200160

API No: 30-015-46764

Start Date: 3/9/2020

End Date: 5/3/2020

Measured Start Depth: 0 feet

Measured End Depth with PTB: 21899 feet

I, Blair Kenzle, 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: 5/3/2020

Signed: *Blair Kenzle*



Belloq 11-2 Fed State Com 714H

Directional Survey Report

Start date: March 9, 2020

End date: May 3, 2020

Company: Devon Energy	State/Prov: NM	Survey Company: Total Directional Services LLC
Well Name: Belloq 11-2 Fed State Com 714H	County: Eddy County	Job Number: SW-200160
Field: Eddy	Country: USA	Proposed Azimuth: 358.66
Rig ID: Cactus 103	Declination: 6.43	Elevations KB: 3516.9
API/UWI: 30-015-46764	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	1.10	126.70	210.99	-1.21	1.62	-1.25	2.03	126.70	0.52	211.00
2	306.00	0.90	124.00	305.97	-2.17	2.97	-2.24	3.68	126.15	0.22	95.00
3	401.00	0.80	139.20	400.96	-3.09	4.03	-3.19	5.08	127.53	0.26	95.00
4	496.00	0.40	123.20	495.96	-3.78	4.74	-3.89	6.06	128.56	0.45	95.00
5	592.00	0.50	119.90	591.95	-4.17	5.38	-4.29	6.81	127.77	0.11	96.00
6	686.00	0.30	144.70	685.95	-4.57	5.88	-4.71	7.45	127.88	0.28	94.00
7	758.00	0.30	98.20	757.95	-4.75	6.17	-4.90	7.79	127.60	0.33	72.00
8	850.00	0.30	118.90	849.95	-4.90	6.62	-5.06	8.24	126.52	0.12	92.00
9	892.00	0.10	251.90	891.95	-4.97	6.68	-5.12	8.33	126.63	0.89	42.00
10	987.00	1.00	272.50	986.94	-4.96	5.78	-5.09	7.61	130.64	0.95	95.00
11	1,083.00	0.90	271.30	1,082.93	-4.91	4.19	-5.00	6.45	139.52	0.11	96.00
12	1,178.00	0.80	273.90	1,177.92	-4.84	2.78	-4.91	5.58	150.16	0.11	95.00
13	1,273.00	0.60	279.20	1,272.91	-4.72	1.63	-4.76	4.99	160.99	0.22	95.00
14	1,368.00	0.40	278.50	1,367.91	-4.59	0.81	-4.61	4.66	170.03	0.21	95.00
15	1,463.00	0.40	276.30	1,462.91	-4.50	0.15	-4.51	4.51	178.10	0.02	95.00
16	1,558.00	0.30	269.00	1,557.91	-4.47	-0.43	-4.46	4.49	185.48	0.12	95.00
17	1,653.00	0.20	268.50	1,652.90	-4.48	-0.84	-4.46	4.56	190.66	0.11	95.00
18	1,748.00	0.30	266.20	1,747.90	-4.50	-1.26	-4.47	4.67	195.60	0.11	95.00
19	1,844.00	0.10	259.70	1,843.90	-4.53	-1.59	-4.50	4.80	199.33	0.21	96.00
20	1,939.00	1.20	189.00	1,938.90	-5.53	-1.83	-5.49	5.83	198.29	1.23	95.00
21	2,034.00	2.90	183.80	2,033.83	-8.91	-2.14	-8.86	9.17	193.52	1.80	95.00
22	2,129.00	4.40	186.20	2,128.64	-14.93	-2.70	-14.87	15.17	190.23	1.59	95.00
23	2,225.00	6.10	188.90	2,224.23	-23.63	-3.88	-23.54	23.95	189.33	1.79	96.00
24	2,320.00	6.90	192.60	2,318.62	-34.19	-5.91	-34.04	34.70	189.80	0.95	95.00
25	2,415.00	6.90	195.40	2,412.93	-45.26	-8.67	-45.05	46.08	190.84	0.35	95.00
26	2,511.00	6.40	194.40	2,508.29	-56.00	-11.53	-55.72	57.18	191.63	0.53	96.00
27	2,606.00	7.40	196.90	2,602.60	-66.98	-14.63	-66.62	68.56	192.32	1.10	95.00
28	2,701.00	9.50	202.90	2,696.56	-80.06	-19.46	-79.58	82.39	193.66	2.39	95.00
29	2,748.00	10.30	205.00	2,742.86	-87.44	-22.74	-86.89	90.35	194.58	1.87	47.00
30	2,796.00	10.00	205.50	2,790.11	-95.09	-26.35	-94.45	98.68	195.49	0.65	48.00
31	2,892.00	9.90	205.50	2,884.67	-110.07	-33.49	-109.25	115.05	196.92	0.10	96.00
32	2,987.00	8.70	204.60	2,978.42	-123.97	-40.00	-123.00	130.26	197.88	1.27	95.00
33	3,082.00	8.10	204.60	3,072.40	-136.59	-45.77	-135.48	144.05	198.53	0.63	95.00
34	3,177.00	8.00	204.30	3,166.46	-148.70	-51.28	-147.46	157.29	199.03	0.11	95.00
35	3,273.00	7.90	205.10	3,261.54	-160.76	-56.83	-159.39	170.51	199.47	0.16	96.00
36	3,368.00	6.70	206.00	3,355.77	-171.65	-62.03	-170.16	182.52	199.87	1.27	95.00
37	3,463.00	6.40	207.30	3,450.15	-181.34	-66.88	-179.73	193.28	200.25	0.35	95.00
38	3,558.00	6.10	205.20	3,544.58	-190.61	-71.46	-188.89	203.57	200.55	0.40	95.00
39	3,653.00	5.60	203.30	3,639.09	-199.44	-75.44	-197.62	213.23	200.72	0.56	95.00
40	3,749.00	5.40	197.10	3,734.64	-208.06	-78.63	-206.16	222.42	200.70	0.65	96.00
41	3,844.00	5.20	193.00	3,829.24	-216.52	-80.91	-214.57	231.15	200.49	0.45	95.00
42	3,939.00	4.50	191.40	3,923.90	-224.37	-82.61	-222.38	239.10	200.21	0.75	95.00
43	4,034.00	4.30	188.20	4,018.62	-231.55	-83.86	-229.53	246.27	199.91	0.33	95.00
44	4,130.00	4.30	183.40	4,114.35	-238.71	-84.59	-236.66	253.25	199.51	0.37	96.00
45	4,225.00	4.20	180.70	4,209.09	-245.74	-84.84	-243.69	259.97	199.05	0.24	95.00
46	4,320.00	3.70	177.10	4,303.86	-252.28	-84.73	-250.23	266.13	198.56	0.59	95.00
47	4,382.00	3.20	178.40	4,365.75	-256.01	-84.58	-253.96	269.62	198.28	0.82	62.00
48	4,522.00	2.50	181.30	4,505.58	-262.97	-84.54	-260.92	276.22	197.82	0.51	140.00
49	4,618.00	4.90	193.60	4,601.37	-269.05	-85.55	-266.97	282.32	197.64	2.62	96.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
50	4,713.00	8.90	208.40	4,695.67	-279.46	-90.00	-277.28	293.59	197.85	4.57	95.00
51	4,808.00	10.20	213.90	4,789.35	-292.90	-98.19	-290.53	308.92	198.53	1.67	95.00
52	4,903.00	10.40	217.80	4,882.82	-306.66	-108.13	-304.05	325.17	199.42	0.76	95.00
53	4,999.00	10.10	218.50	4,977.29	-320.10	-118.69	-317.23	341.39	200.34	0.34	96.00
54	5,094.00	8.20	213.60	5,071.08	-332.26	-127.62	-329.18	355.93	201.01	2.16	95.00
55	5,189.00	7.70	204.40	5,165.17	-343.70	-134.00	-340.47	368.90	201.30	1.44	95.00
56	5,284.00	7.40	201.10	5,259.35	-355.20	-138.83	-351.86	381.37	201.35	0.55	95.00
57	5,379.00	6.40	197.10	5,353.66	-365.97	-142.59	-362.54	392.77	201.29	1.17	95.00
58	5,474.00	5.80	193.20	5,448.12	-375.71	-145.24	-372.21	402.80	201.14	0.77	95.00
59	5,569.00	5.60	189.10	5,542.65	-384.96	-147.07	-381.41	412.09	200.91	0.48	95.00
60	5,665.00	5.20	186.60	5,638.22	-393.90	-148.31	-390.33	420.90	200.63	0.48	96.00
61	5,760.00	6.10	198.30	5,732.76	-402.97	-150.39	-399.34	430.12	200.47	1.53	95.00
62	5,855.00	7.30	202.60	5,827.11	-413.34	-154.30	-409.61	441.20	200.47	1.37	95.00
63	5,950.00	7.40	204.20	5,921.33	-424.49	-159.13	-420.65	453.33	200.55	0.24	95.00
64	6,045.00	6.80	203.00	6,015.61	-435.25	-163.83	-431.30	465.06	200.63	0.65	95.00
65	6,140.00	6.30	202.50	6,109.98	-445.24	-168.02	-441.19	475.89	200.68	0.53	95.00
66	6,236.00	5.50	203.60	6,205.48	-454.32	-171.88	-450.18	485.75	200.72	0.84	96.00
67	6,331.00	4.80	203.70	6,300.09	-462.13	-175.30	-457.91	494.26	200.77	0.74	95.00
68	6,426.00	3.20	198.50	6,394.86	-468.29	-177.74	-464.00	500.88	200.78	1.73	95.00
69	6,522.00	1.10	172.80	6,490.79	-471.74	-178.47	-467.44	504.38	200.72	2.35	96.00
70	6,617.00	0.80	133.00	6,585.77	-473.10	-177.88	-468.81	505.43	200.61	0.74	95.00
71	6,712.00	0.60	123.10	6,680.77	-473.82	-176.97	-469.56	505.79	200.48	0.25	95.00
72	6,807.00	0.70	114.40	6,775.76	-474.33	-176.03	-470.09	505.94	200.36	0.15	95.00
73	6,903.00	1.20	95.30	6,871.75	-474.67	-174.49	-470.46	505.73	200.18	0.61	96.00
74	6,998.00	0.80	47.20	6,966.73	-474.31	-173.02	-470.14	504.88	200.04	0.94	95.00
75	7,093.00	1.40	357.30	7,061.72	-472.70	-172.58	-468.54	503.22	200.06	1.13	95.00
76	7,188.00	1.40	351.00	7,156.69	-470.40	-172.82	-466.23	501.14	200.17	0.16	95.00
77	7,284.00	1.30	350.50	7,252.66	-468.16	-173.18	-463.99	499.17	200.30	0.10	96.00
78	7,379.00	1.30	355.50	7,347.64	-466.03	-173.45	-461.84	497.26	200.41	0.12	95.00
79	7,474.00	1.00	351.30	7,442.62	-464.13	-173.66	-459.94	495.56	200.51	0.33	95.00
80	7,569.00	1.10	344.80	7,537.60	-462.43	-174.02	-458.24	494.09	200.62	0.16	95.00
81	7,664.00	1.00	353.50	7,632.59	-460.73	-174.35	-456.53	492.62	200.73	0.20	95.00
82	7,759.00	0.80	358.40	7,727.58	-459.24	-174.47	-455.04	491.27	200.80	0.23	95.00
83	7,855.00	0.70	350.50	7,823.57	-457.99	-174.58	-453.79	490.14	200.87	0.15	96.00
84	7,950.00	0.50	326.80	7,918.56	-457.08	-174.90	-452.86	489.40	200.94	0.33	95.00
85	8,045.00	0.40	317.20	8,013.56	-456.49	-175.36	-452.26	489.01	201.01	0.13	95.00
86	8,140.00	0.60	261.80	8,108.56	-456.31	-176.07	-452.07	489.10	201.10	0.52	95.00
87	8,235.00	0.90	246.40	8,203.55	-456.68	-177.25	-452.41	489.87	201.21	0.38	95.00
88	8,330.00	1.00	235.10	8,298.54	-457.46	-178.61	-453.15	491.09	201.33	0.22	95.00
89	8,426.00	1.30	226.50	8,394.52	-458.68	-180.09	-454.35	492.77	201.44	0.36	96.00
90	8,521.00	1.40	214.30	8,489.49	-460.38	-181.53	-456.01	494.88	201.52	0.32	95.00
91	8,616.00	1.50	209.60	8,584.46	-462.42	-182.79	-458.02	497.24	201.57	0.16	95.00
92	8,711.00	2.00	201.00	8,679.42	-465.05	-184.00	-460.62	500.13	201.59	0.59	95.00
93	8,806.00	2.80	200.30	8,774.33	-468.78	-185.40	-464.31	504.11	201.58	0.84	95.00
94	8,902.00	1.40	206.30	8,870.26	-472.03	-186.73	-467.53	507.62	201.58	1.47	96.00
95	8,997.00	0.40	65.50	8,965.26	-472.93	-186.95	-468.43	508.54	201.57	1.82	95.00
96	9,092.00	1.40	80.70	9,060.24	-472.61	-185.50	-468.14	507.71	201.43	1.07	95.00
97	9,187.00	2.00	123.20	9,155.20	-473.33	-182.97	-468.92	507.46	201.13	1.42	95.00
98	9,283.00	2.90	129.30	9,251.12	-475.78	-179.69	-471.45	508.58	200.69	0.97	96.00
99	9,378.00	2.00	93.90	9,346.03	-477.42	-176.17	-473.17	508.88	200.25	1.81	95.00
100	9,473.00	2.10	5.70	9,440.99	-475.80	-174.35	-471.59	506.73	200.12	3.00	95.00
101	9,568.00	2.90	351.10	9,535.90	-471.69	-174.54	-467.48	502.95	200.31	1.07	95.00
102	9,664.00	3.30	343.00	9,631.76	-466.65	-175.73	-462.41	498.64	200.64	0.62	96.00
103	9,759.00	1.90	331.00	9,726.66	-462.66	-177.29	-458.38	495.46	200.97	1.57	95.00
104	9,854.00	1.30	268.50	9,821.63	-461.31	-179.13	-456.99	494.87	201.22	1.83	95.00
105	9,949.00	1.80	260.00	9,916.60	-461.59	-181.68	-457.22	496.06	201.48	0.58	95.00
106	10,045.00	1.80	252.10	10,012.55	-462.32	-184.60	-457.88	497.81	201.77	0.26	96.00
107	10,140.00	1.70	240.60	10,107.50	-463.47	-187.25	-458.96	499.87	202.00	0.38	95.00
108	10,235.00	1.90	239.10	10,202.46	-464.97	-189.82	-460.40	502.23	202.21	0.22	95.00
109	10,330.00	1.30	261.30	10,297.42	-465.94	-192.24	-461.32	504.04	202.42	0.90	95.00
110	10,426.00	1.10	278.50	10,393.40	-465.97	-194.23	-461.30	504.83	202.63	0.43	96.00
111	10,521.00	1.20	264.00	10,488.38	-465.94	-196.12	-461.23	505.53	202.83	0.32	95.00
112	10,616.00	0.90	235.60	10,583.37	-466.47	-197.73	-461.71	506.64	202.97	0.62	95.00
113	10,711.00	0.80	211.50	10,678.36	-467.45	-198.69	-462.68	507.93	203.03	0.39	95.00
114	10,806.00	0.30	157.90	10,773.35	-468.25	-198.94	-463.47	508.76	203.02	0.70	95.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
115	10,901.00	1.30	136.30	10,868.34	-469.26	-198.10	-464.50	509.36	202.89	1.08	95.00
116	10,996.00	1.50	152.00	10,963.31	-471.14	-196.77	-466.40	510.58	202.67	0.45	95.00
117	11,089.00	0.80	205.20	11,056.30	-472.80	-196.48	-468.07	512.00	202.57	1.30	93.00
118	11,189.00	1.60	216.60	11,156.27	-474.55	-197.61	-469.80	514.05	202.61	0.83	100.00
119	11,284.00	9.00	347.50	11,250.92	-468.34	-200.01	-463.54	509.27	203.13	10.65	95.00
120	11,379.00	22.20	354.80	11,342.22	-443.10	-203.26	-438.23	487.50	204.64	14.02	95.00
121	11,475.00	39.10	4.20	11,424.56	-394.47	-202.69	-389.62	443.50	207.19	18.25	96.00
122	11,520.00	46.20	8.00	11,457.64	-364.19	-199.38	-359.43	415.20	208.70	16.78	45.00
123	11,570.00	47.70	7.20	11,491.77	-327.98	-194.55	-323.34	381.34	210.68	3.22	50.00
124	11,617.00	47.70	7.40	11,523.40	-293.50	-190.14	-288.97	349.70	212.94	0.31	47.00
125	11,665.00	47.40	7.40	11,555.80	-258.37	-185.57	-253.96	318.11	215.69	0.63	48.00
126	11,708.00	47.50	7.20	11,584.88	-226.95	-181.55	-222.64	290.63	218.66	0.41	43.00
127	11,760.00	52.90	4.50	11,618.15	-187.23	-177.52	-183.02	258.00	223.47	11.12	52.00
128	11,807.00	55.90	2.00	11,645.51	-149.08	-175.37	-144.94	230.17	229.63	7.71	47.00
129	11,856.00	62.20	359.60	11,670.70	-107.09	-174.81	-102.97	205.00	238.51	13.52	49.00
130	11,903.00	66.50	359.20	11,691.04	-64.73	-175.25	-60.62	186.83	249.73	9.18	47.00
131	11,951.00	70.70	359.20	11,708.55	-20.06	-175.88	-15.94	177.02	263.49	8.75	48.00
132	11,998.00	71.30	359.30	11,723.86	24.38	-176.46	28.50	178.14	277.87	1.29	47.00
133	12,046.00	74.50	1.90	11,737.97	70.24	-175.97	74.34	189.47	291.76	8.44	48.00
134	12,093.00	76.20	2.80	11,749.86	115.68	-174.10	119.72	209.03	303.60	4.06	47.00
135	12,141.00	77.70	2.10	11,760.70	162.39	-172.11	166.37	236.63	313.34	3.43	48.00
136	12,188.00	80.40	0.40	11,769.62	208.52	-171.10	212.46	269.73	320.63	6.75	47.00
137	12,237.00	85.00	357.90	11,775.85	257.10	-171.83	261.05	309.23	326.24	10.66	49.00
138	12,278.00	90.60	358.50	11,777.42	298.03	-173.12	302.00	344.66	329.85	13.74	41.00
139	12,332.00	88.50	357.40	11,777.85	351.99	-175.05	355.99	393.12	333.56	4.39	54.00
140	12,426.00	91.30	357.00	11,778.01	445.87	-179.64	449.95	480.70	338.06	3.01	94.00
141	12,521.00	91.70	356.90	11,775.52	540.70	-184.69	544.87	571.38	341.14	0.43	95.00
142	12,616.00	91.60	358.80	11,772.79	635.59	-188.25	639.82	662.89	343.50	2.00	95.00
143	12,712.00	90.10	1.30	11,771.36	731.57	-188.17	735.77	755.38	345.58	3.04	96.00
144	12,807.00	90.30	1.40	11,771.03	826.54	-185.93	830.67	847.20	347.32	0.24	95.00
145	12,902.00	90.90	1.00	11,770.04	921.52	-183.94	925.57	939.70	348.71	0.76	95.00
146	12,998.00	90.60	2.20	11,768.78	1,017.47	-181.26	1,021.43	1,033.49	349.90	1.29	96.00
147	13,093.00	88.80	1.20	11,769.28	1,112.42	-178.44	1,116.29	1,126.64	350.89	2.17	95.00
148	13,188.00	88.00	0.40	11,771.93	1,207.37	-177.12	1,211.19	1,220.30	351.65	1.19	95.00
149	13,283.00	88.80	0.40	11,774.58	1,302.33	-176.45	1,306.10	1,314.23	352.28	0.84	95.00
150	13,378.00	89.10	0.50	11,776.32	1,397.32	-175.71	1,401.04	1,408.32	352.83	0.33	95.00
151	13,474.00	89.40	1.10	11,777.58	1,493.30	-174.37	1,496.97	1,503.44	353.34	0.70	96.00
152	13,569.00	88.20	0.40	11,779.57	1,588.27	-173.12	1,591.88	1,597.67	353.78	1.46	95.00
153	13,664.00	91.60	0.70	11,779.74	1,683.25	-172.21	1,686.81	1,692.03	354.16	3.59	95.00
154	13,759.00	90.40	1.80	11,778.08	1,778.21	-170.14	1,781.70	1,786.33	354.53	1.71	95.00
155	13,855.00	90.60	1.50	11,777.24	1,874.16	-167.38	1,877.57	1,881.62	354.90	0.38	96.00
156	13,950.00	89.70	1.30	11,776.99	1,969.13	-165.06	1,972.46	1,976.04	355.21	0.97	95.00
157	14,045.00	90.10	1.20	11,777.16	2,064.11	-162.98	2,067.36	2,070.54	355.49	0.43	95.00
158	14,140.00	91.50	1.20	11,775.83	2,159.08	-160.99	2,162.25	2,165.07	355.74	1.47	95.00
159	14,236.00	92.80	1.10	11,772.23	2,254.99	-159.07	2,258.09	2,260.59	355.96	1.36	96.00
160	14,331.00	91.90	0.60	11,768.33	2,349.90	-157.66	2,352.94	2,355.18	356.16	1.08	95.00
161	14,426.00	89.10	359.90	11,767.50	2,444.88	-157.25	2,447.89	2,449.93	356.32	3.04	95.00
162	14,521.00	88.80	359.20	11,769.25	2,539.86	-157.99	2,542.86	2,544.77	356.44	0.80	95.00
163	14,617.00	87.70	358.90	11,772.18	2,635.80	-159.58	2,638.82	2,640.63	356.54	1.19	96.00
164	14,712.00	88.10	358.10	11,775.66	2,730.71	-162.07	2,733.75	2,735.51	356.60	0.94	95.00
165	14,807.00	88.40	358.00	11,778.56	2,825.61	-165.30	2,828.70	2,830.44	356.65	0.33	95.00
166	14,902.00	87.60	357.30	11,781.87	2,920.47	-169.19	2,923.63	2,925.37	356.68	1.12	95.00
167	14,998.00	88.40	357.60	11,785.23	3,016.31	-173.46	3,019.55	3,021.30	356.71	0.89	96.00
168	15,093.00	88.90	358.10	11,787.46	3,111.22	-177.02	3,114.51	3,116.25	356.74	0.74	95.00
169	15,188.00	89.40	358.20	11,788.87	3,206.16	-180.09	3,209.49	3,211.21	356.79	0.54	95.00
170	15,283.00	89.10	358.30	11,790.12	3,301.11	-182.99	3,304.48	3,306.18	356.83	0.33	95.00
171	15,379.00	90.00	358.80	11,790.87	3,397.07	-185.42	3,400.48	3,402.13	356.88	1.07	96.00
172	15,473.00	90.20	359.00	11,790.71	3,491.05	-187.22	3,494.48	3,496.07	356.93	0.30	94.00
173	15,569.00	92.40	359.40	11,788.53	3,587.01	-188.56	3,590.44	3,591.97	356.99	2.33	96.00
174	15,664.00	92.00	0.00	11,784.88	3,681.94	-189.06	3,685.36	3,686.79	357.06	0.76	95.00
175	15,759.00	91.40	1.00	11,782.06	3,776.90	-188.23	3,780.26	3,781.58	357.15	1.23	95.00
176	15,855.00	89.30	1.40	11,781.48	3,872.87	-186.22	3,876.16	3,877.34	357.25	2.23	96.00
177	15,950.00	89.80	1.60	11,782.22	3,967.83	-183.74	3,971.04	3,972.08	357.35	0.57	95.00
178	16,045.00	90.30	2.10	11,782.14	4,062.78	-180.67	4,065.90	4,066.80	357.45	0.74	95.00
179	16,140.00	88.20	2.50	11,783.38	4,157.69	-176.86	4,160.69	4,161.45	357.56	2.25	95.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
180	16,235.00	88.20	2.70	11,786.37	4,252.55	-172.55	4,255.42	4,256.05	357.68	0.21	95.00
181	16,331.00	87.90	2.30	11,789.63	4,348.40	-168.36	4,351.15	4,351.66	357.78	0.52	96.00
182	16,426.00	89.30	0.50	11,791.96	4,443.34	-166.05	4,446.00	4,446.44	357.86	2.40	95.00
183	16,521.00	91.90	0.70	11,790.96	4,538.32	-165.05	4,540.94	4,541.32	357.92	2.74	95.00
184	16,617.00	91.70	1.40	11,787.94	4,634.25	-163.29	4,636.80	4,637.13	357.98	0.76	96.00
185	16,712.00	86.20	0.60	11,789.69	4,729.19	-161.63	4,731.67	4,731.95	358.04	5.85	95.00
186	16,807.00	86.60	0.10	11,795.65	4,824.00	-161.06	4,826.44	4,826.68	358.09	0.67	95.00
187	16,902.00	88.10	359.10	11,800.04	4,918.89	-161.72	4,921.32	4,921.55	358.12	1.90	95.00
188	16,997.00	90.80	359.00	11,800.95	5,013.86	-163.29	5,016.31	5,016.52	358.13	2.84	95.00
189	17,093.00	89.00	358.30	11,801.12	5,109.83	-165.55	5,112.30	5,112.51	358.14	2.01	96.00
190	17,188.00	91.70	359.50	11,800.54	5,204.80	-167.38	5,207.29	5,207.49	358.16	3.11	95.00
191	17,282.00	89.20	358.30	11,799.80	5,298.77	-169.18	5,301.28	5,301.47	358.17	2.95	94.00
192	17,377.00	92.40	358.80	11,798.48	5,393.72	-171.59	5,396.26	5,396.45	358.18	3.41	95.00
193	17,472.00	91.40	358.00	11,795.33	5,488.63	-174.24	5,491.20	5,491.39	358.18	1.35	95.00
194	17,568.00	91.90	357.50	11,792.56	5,584.51	-178.01	5,587.15	5,587.35	358.17	0.74	96.00
195	17,663.00	93.00	357.70	11,788.50	5,679.34	-181.98	5,682.04	5,682.26	358.16	1.18	95.00
196	17,758.00	91.50	358.30	11,784.77	5,774.21	-185.29	5,776.96	5,777.18	358.16	1.70	95.00
197	17,853.00	90.90	359.60	11,782.78	5,869.17	-187.03	5,871.94	5,872.15	358.17	1.51	95.00
198	17,948.00	87.90	358.50	11,783.78	5,964.14	-188.61	5,966.92	5,967.12	358.19	3.36	95.00
199	17,983.00	89.60	358.30	11,784.54	5,999.11	-189.58	6,001.91	6,002.11	358.19	4.89	35.00
200	18,078.00	89.90	358.20	11,784.96	6,094.07	-192.49	6,096.90	6,097.11	358.19	0.33	95.00
201	18,173.00	89.30	358.20	11,785.62	6,189.02	-195.47	6,191.90	6,192.11	358.19	0.63	95.00
202	18,268.00	88.80	358.40	11,787.19	6,283.96	-198.29	6,286.88	6,287.09	358.19	0.57	95.00
203	18,363.00	86.50	358.40	11,791.09	6,378.84	-200.94	6,381.80	6,382.01	358.20	2.42	95.00
204	18,459.00	88.30	358.30	11,795.44	6,474.70	-203.70	6,477.69	6,477.90	358.20	1.88	96.00
205	18,554.00	88.70	357.90	11,797.93	6,569.61	-206.85	6,572.65	6,572.87	358.20	0.60	95.00
206	18,649.00	90.20	358.20	11,798.84	6,664.55	-210.08	6,667.64	6,667.86	358.19	1.61	95.00
207	18,744.00	90.40	358.30	11,798.35	6,759.51	-212.98	6,762.64	6,762.86	358.20	0.24	95.00
208	18,839.00	89.80	357.10	11,798.18	6,854.43	-216.79	6,857.62	6,857.85	358.19	1.41	95.00
209	18,935.00	90.60	357.20	11,797.84	6,950.31	-221.57	6,953.59	6,953.84	358.17	0.84	96.00
210	19,030.00	91.30	357.50	11,796.27	7,045.19	-225.96	7,048.55	7,048.81	358.16	0.80	95.00
211	19,125.00	90.70	357.50	11,794.61	7,140.09	-230.10	7,143.51	7,143.79	358.15	0.63	95.00
212	19,220.00	92.10	358.00	11,792.29	7,234.98	-233.83	7,238.47	7,238.76	358.15	1.56	95.00
213	19,315.00	91.40	357.40	11,789.39	7,329.86	-237.64	7,333.41	7,333.71	358.14	0.97	95.00
214	19,410.00	90.70	357.60	11,787.65	7,424.75	-241.78	7,428.38	7,428.69	358.13	0.77	95.00
215	19,505.00	89.80	357.60	11,787.23	7,519.67	-245.76	7,523.36	7,523.68	358.13	0.95	95.00
216	19,601.00	89.80	358.20	11,787.57	7,615.60	-249.28	7,619.35	7,619.68	358.13	0.62	96.00
217	19,696.00	90.20	358.40	11,787.57	7,710.56	-252.10	7,714.35	7,714.68	358.13	0.47	95.00
218	19,791.00	87.70	357.90	11,789.31	7,805.49	-255.16	7,809.32	7,809.66	358.13	2.68	95.00
219	19,886.00	88.60	358.30	11,792.38	7,900.38	-258.31	7,904.26	7,904.61	358.13	1.04	95.00
220	19,981.00	92.70	0.40	11,791.30	7,995.35	-259.39	7,999.23	7,999.55	358.14	4.85	95.00
221	20,076.00	93.10	0.30	11,786.49	8,090.22	-258.81	8,094.06	8,094.36	358.17	0.43	95.00
222	20,171.00	91.90	1.10	11,782.35	8,185.12	-257.65	8,188.91	8,189.18	358.20	1.52	95.00
223	20,267.00	90.80	1.20	11,780.09	8,281.08	-255.72	8,284.79	8,285.02	358.23	1.15	96.00
224	20,362.00	87.90	0.20	11,781.16	8,376.05	-254.56	8,379.71	8,379.92	358.26	3.23	95.00
225	20,457.00	90.60	1.30	11,782.41	8,471.02	-253.32	8,474.63	8,474.81	358.29	3.07	95.00
226	20,552.00	89.70	1.90	11,782.16	8,565.99	-250.67	8,569.50	8,569.65	358.32	1.14	95.00
227	20,648.00	89.60	2.00	11,782.75	8,661.93	-247.40	8,665.34	8,665.46	358.36	0.15	96.00
228	20,743.00	89.90	2.20	11,783.16	8,756.86	-243.92	8,760.17	8,760.26	358.40	0.38	95.00
229	20,838.00	90.90	2.40	11,782.50	8,851.78	-240.11	8,854.98	8,855.04	358.45	1.07	95.00
230	20,933.00	89.50	2.10	11,782.17	8,946.71	-236.38	8,949.79	8,949.83	358.49	1.51	95.00
231	21,028.00	91.60	3.00	11,781.25	9,041.60	-232.15	9,044.56	9,044.58	358.53	2.40	95.00
232	21,124.00	90.40	2.80	11,779.58	9,137.46	-227.30	9,140.28	9,140.29	358.58	1.27	96.00
233	21,219.00	88.70	2.70	11,780.32	9,232.35	-222.74	9,235.03	9,235.03	358.62	1.79	95.00
234	21,314.00	89.30	3.60	11,781.98	9,327.19	-217.52	9,329.72	9,329.72	358.66	1.14	95.00
235	21,409.00	89.80	3.40	11,782.73	9,422.01	-211.72	9,424.38	9,424.39	358.71	0.57	95.00
236	21,504.00	90.40	3.20	11,782.56	9,516.85	-206.25	9,519.07	9,519.08	358.76	0.67	95.00
237	21,599.00	89.80	1.90	11,782.40	9,611.75	-202.02	9,613.85	9,613.87	358.80	1.51	95.00
238	21,695.00	91.00	1.60	11,781.73	9,707.70	-199.09	9,709.70	9,709.74	358.83	1.29	96.00
239	21,790.00	88.90	1.60	11,781.81	9,802.66	-196.44	9,804.57	9,804.63	358.85	2.21	95.00
240	21,843.00	89.00	1.90	11,782.78	9,855.63	-194.82	9,857.49	9,857.55	358.87	0.60	53.00
241	21,899.00	89.00	1.90	11,783.76	9,911.59	-192.97	9,913.39	9,913.47	358.88	0.00	56.00