

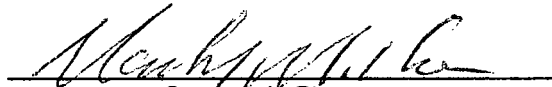


MWD SURVEY CERTIFICATION
Legacy Directional Drilling, LLC.

State Of New Mexico

County Of Eddy

I, Mark L. Miller certify that; I am employed by Legacy Directional Drilling, LLC.;
that I did on the day(s) of November 2, 2017 through November 25, 2017 conduct
or supervise the taking of a MWD survey from a depth of 139 feet to a depth of
20,440 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Legacy Directional Drilling, LLC.; that I am authorized and qualified to make this report;
that this survey was conducted at the request of Devon Energy Production Co. for the
Cotton Draw Unit 508H Well, A.P.I. No. 30-025-48915 in
Paduca/Bone Spring Field and that I have reviewed this report and find that
it conforms to the principles and procedures set forth by Legacy Directional Drilling, LLC.


Surveyor's Signature

MLWD Technical Director
Title



Directional Survey Report

Company Name: DEVON ENERGY

State/Prov: NEW MEXICO

Survey Company: LEGACY DIRECTIONAL

Proposed Azimuth: 0

Well Name: COTTON DRAW UNIT 508H

County: LEA

Job Number: LF170046

Declination: 6.64

Field: BONE SPRING

Location: SEC 25 T25S R32E

Latitude: 32.181721

North Reference: Grid

Rig ID: INDEPENDENCE CONTRACT DRILLING 217 API/UWI: 30025439150000

Longitude: -103.728931

KB: 3437

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
Tiein	0	0	0	0	0	0	0	0	0	0	90	0
1	139	0.31	218.44	139.00	-0.29	-0.23	-0.29	0.22	139	0.38	218.44	63.40
2	177	0.29	211.14	177.00	-0.46	-0.35	-0.46	0.11	38	0.57	217.22	63.40
3	269	0.51	212.19	269.00	-1.00	-0.69	-1.00	0.24	92	1.22	214.36	63.40
4	360	0.46	202.21	359.99	-1.68	-1.04	-1.68	0.11	91	1.98	211.69	70.60
5	451	0.69	232.74	450.99	-2.35	-1.61	-2.35	0.41	91	2.85	214.44	77.70
6	543	0.85	207.92	542.98	-3.29	-2.37	-3.29	0.40	92	4.06	215.80	84.90
7	635	0.93	205.27	634.97	-4.57	-3.01	-4.57	0.10	92	5.47	213.39	92
8	875	0.68	191.10	874.95	-7.73	-4.12	-7.73	0.13	240	8.76	208.05	77.70
9	969	0.80	201.30	968.94	-8.89	-4.46	-8.89	0.19	94	9.95	206.67	777
10	1063	0.78	203.31	1,062.93	-10.09	-4.96	-10.09	0.04	94	11.24	206.16	84.90
11	1156	0.70	194.52	1,155.92	-11.22	-5.35	-11.22	0.15	93	12.43	205.49	84.90
12	1249	0.54	186.75	1,248.92	-12.20	-5.54	-12.20	0.19	93	13.40	204.43	84.90
13	1342	0.45	192.45	1,341.91	-13.00	-5.67	-13.00	0.11	93	14.18	203.58	92
14	1434	0.34	207.89	1,433.91	-13.59	-5.88	-13.59	0.17	92	14.81	203.39	92
15	1527	0.54	246.40	1,526.91	-14.01	-6.41	-14.01	0.37	93	15.41	204.58	92
16	1619	0.24	248.71	1,618.91	-14.25	-6.99	-14.25	0.33	92	15.87	206.11	991
17	1713	0.31	226.40	1,712.90	-14.50	-7.35	-14.50	0.13	94	16.26	206.89	99.10
18	1809	0.43	204.74	1,808.90	-15.01	-7.69	-15.01	0.19	96	16.86	207.14	-9999
19	1904	0.69	206.28	1,903.90	-15.84	-8.09	-15.84	0.27	95	17.79	207.07	-9999
20	1999	0.98	272.91	1,998.89	-16.31	-9.16	-16.31	1.00	95	18.71	209.31	-9999
21	2094	0.28	208.65	2,093.88	-16.48	-10.08	-16.48	0.94	95	19.32	211.46	106.30
22	2189	0.09	31.26	2,188.88	-16.62	-10.15	-16.62	0.39	95	19.47	211.43	16.30
23	2285	0.46	163.66	2,284.88	-16.92	-10.01	-16.92	0.55	96	19.66	210.60	-9999
24	2380	0.03	21.57	2,379.88	-17.26	-9.89	-17.26	0.51	95	19.90	209.81	-9999
25	2475	0.14	43.11	2,474.88	-17.16	-9.80	-17.16	0.12	95	19.76	209.74	-9999
26	2570	0.46	76.24	2,569.88	-16.98	-9.35	-16.98	0.37	95	19.39	208.84	-9999
27	2665	0.23	45.63	2,664.88	-16.76	-8.85	-16.76	0.30	95	18.95	207.83	-9999
28	2761	0.24	359.15	2,760.88	-16.42	-8.71	-16.42	0.19	96	18.59	207.94	113.40
29	2856	0.23	19.03	2,855.88	-16.04	-8.65	-16.04	0.09	95	18.23	208.34	113.40
30	2952	0.35	7.65	2,951.88	-15.57	-8.55	-15.57	0.14	96	17.76	208.77	120.60
31	3047	0.44	16.58	3,046.87	-14.93	-8.41	-14.93	0.11	95	17.14	209.38	120.60
32	3142	0.28	46.21	3,141.87	-14.42	-8.14	-14.42	0.25	95	16.56	209.43	120.60
33	3237	0.25	60.74	3,236.87	-14.16	-7.79	-14.16	0.08	95	16.16	208.81	127.70

Swy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
34	3332	0.42	84.29	3,331.87	-13.91	-7.29	-13.91	0.18	95	15.70	207.67	127.70
35	3428	0.54	86.96	3,427.87	-13.73	-6.52	-13.73	0.23	96	15.20	205.41	127.70
36	3523	0.52	111.40	3,522.86	-13.86	-5.68	-13.86	0.24	95	14.98	202.26	127.70
37	3618	0.71	130.17	3,617.86	-14.40	-4.82	-14.40	0.29	95	15.19	198.52	127.70
38	3713	1.02	147.73	3,712.85	-15.50	-3.92	-15.50	0.43	95	15.98	194.21	127.70
39	3809	1.34	137.57	3,808.83	-17.05	-2.71	-17.05	0.40	98	17.26	189.03	127.70
40	3904	1.44	138.18	3,903.80	-18.76	-1.16	-18.76	0.11	95	18.79	183.55	127.70
41	3999	1.67	134.90	3,998.76	-20.62	0.61	-20.62	0.26	95	20.63	178.30	127.70
42	4094	2.20	141.35	4,093.71	-23.02	2.73	-23.02	0.60	95	23.19	173.23	127.70
43	4189	2.64	144.56	4,188.62	-26.23	5.14	-26.23	0.48	95	26.73	168.91	127.70
44	4284	2.45	146.49	4,283.53	-29.71	7.53	-29.71	0.22	95	30.65	165.78	127.70
45	4300	2.42	148.19	4,299.51	-30.28	7.90	-30.28	0.49	16	31.29	165.38	127.70
46	4380	2.21	147.53	4,379.45	-33.02	9.61	-33.02	0.26	80	34.39	163.76	99.10
47	4475	1.67	171.55	4,474.40	-35.93	10.80	-35.93	1.02	95	37.52	163.27	106.30
48	4570	2.46	186.26	4,569.33	-39.33	10.78	-39.33	0.99	95	40.78	164.67	106.30
49	4665	3.56	187.90	4,664.20	-44.27	10.15	-44.27	1.16	95	45.42	167.08	106.30
50	4761	4.14	188.84	4,759.98	-50.65	9.21	-50.65	0.61	96	51.48	169.69	106.30
51	4856	5.03	187.58	4,854.68	-58.17	8.14	-58.17	0.94	95	58.73	172.04	113.40
52	4951	6.49	187.62	4,949.20	-67.62	6.87	-67.62	1.54	95	67.97	174.19	113.40
53	5046	6.79	188.47	5,043.56	-78.49	5.34	-78.49	0.33	95	78.68	176.11	113.40
54	5141	6.30	186.76	5,137.94	-89.23	3.89	-89.23	0.56	95	89.31	177.50	113.40
55	5236	5.58	186.12	5,232.43	-98.99	2.79	-98.99	0.76	95	99.03	178.39	113.40
56	5331	6.13	183.82	5,326.93	-108.65	1.96	-108.65	0.63	95	108.66	178.97	120.60
57	5426	6.30	185.18	5,421.38	-118.80	1.15	-118.80	0.24	95	118.90	179.45	120.60
58	5521	6.80	184.76	5,515.76	-129.70	0.21	-129.70	0.53	95	129.70	179.91	120.60
59	5616	6.83	182.91	5,610.08	-140.94	-0.54	-140.94	0.23	95	140.94	180.22	120.60
60	5711	6.02	185.40	5,704.49	-151.54	-1.30	-151.54	0.90	95	151.55	180.49	120.60
61	5805	6.64	190.78	5,797.91	-161.79	-2.78	-161.79	0.91	94	161.81	180.98	120.60
62	5900	6.90	191.71	5,892.25	-172.77	-4.96	-172.77	0.30	95	172.84	181.65	120.60
63	5995	6.54	189.82	5,986.60	-183.69	-7.04	-183.69	0.44	95	183.83	182.20	120.60
64	6090	5.23	195.68	6,081.10	-193.19	-9.14	-193.19	1.52	95	193.41	182.71	120.60
65	6186	5.73	183.15	6,176.66	-202.19	-10.58	-202.19	1.35	96	202.47	183.00	120.60
66	6281	6.27	183.43	6,271.14	-212.10	-11.15	-212.10	0.57	95	212.40	183.01	127.70
67	6375	7.13	185.86	6,364.50	-223.03	-12.06	-223.03	0.96	94	223.36	183.09	127.70
68	6470	6.56	188.47	6,458.82	-234.26	-13.46	-234.26	0.88	95	234.65	183.29	127.70
69	6565	7.24	186.41	6,553.13	-245.58	-14.92	-245.58	0.76	95	246.03	183.48	-9999
70	6660	7.09	187.99	6,647.39	-257.33	-16.41	-257.33	0.26	95	257.86	183.65	127.70
71	6755	7.52	187	6,741.62	-269.31	-17.98	-269.31	0.47	95	269.91	183.82	127.70
72	6850	7.62	180.40	6,835.79	-281.78	-18.78	-281.78	0.92	95	282.40	183.81	127.70
73	6945	6.34	180.05	6,930.09	-293.32	-18.83	-293.32	1.35	95	293.93	183.67	127.70
74	7039	6.42	183.87	7,023.51	-303.76	-19.19	-303.76	0.46	94	304.36	183.61	127.70
75	7134	6.77	181.28	7,117.88	-314.65	-19.67	-314.65	0.48	95	315.27	183.58	-9999
76	7229	5.33	183.38	7,212.35	-324.66	-20.06	-324.66	1.53	95	325.28	183.54	134.90
77	7324	5.74	181.25	7,306.90	-333.81	-20.42	-333.81	0.48	95	334.44	183.50	134.90
78	7420	6.45	183.11	7,402.36	-344.00	-20.82	-344.00	0.77	96	344.62	183.46	134.90

Svy	Depth	Inc	Asm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
79	7514	5.79	186.35	7.49582	-353.98	-21.03	-353.98	0.79	94	354.64	183.50	134.90
80	7610	4.43	179.78	7.59144	-362.50	-22.15	-362.50	1.54	96	363.18	183.50	134.90
81	7705	4.35	175.77	7.68616	-369.76	-21.87	-369.76	0.33	95	370.41	183.39	134.90
82	7800	4.33	173.88	7.78089	-376.92	-21.22	-376.92	0.15	95	377.52	183.22	127.70
83	7895	3.47	162.43	7.87567	-383.23	-19.97	-383.23	1.22	95	383.75	182.98	127.70
84	7990	3.04	169.34	7.97052	-388.44	-18.64	-388.44	0.61	95	388.89	182.75	127.70
85	8085	2.36	172.01	8.06541	-392.86	-17.90	-392.86	0.73	95	393.26	182.61	127.70
86	8181	1.94	174.59	8.16134	-396.43	-17.47	-396.43	0.45	96	396.82	182.52	127.70
87	8276	1.49	187.98	8.25630	-399.26	-17.49	-399.26	0.63	95	399.64	182.51	134.90
88	8371	0.85	199.84	8.35128	-401.14	-17.90	-401.14	0.72	95	401.54	182.56	134.90
89	8466	0.41	197	8.44628	-402.13	-18.24	-402.13	0.46	95	402.54	182.60	134.90
90	8562	0.29	150.11	8.54227	-402.67	-18.22	-402.67	0.31	96	403.08	182.59	134.90
91	8657	0.92	3.62	8.63727	-402.12	-18.05	-402.12	1.23	95	402.52	182.57	134.90
92	8752	1.33	27.27	8.73225	-400.38	-17.50	-400.38	0.64	95	400.76	182.50	142
93	8847	0.77	233.67	8.82724	-399.77	-17.51	-399.77	2.16	95	400.16	182.51	142
94	8943	0.56	303.75	8.92324	-399.90	-18.42	-399.90	0.82	96	400.32	182.64	142
95	9038	1.80	6.34	9.01822	-398.15	-18.64	-398.15	1.71	95	398.59	182.68	142
96	9137	0.08	21.26	9.11720	-396.54	-18.44	-396.54	1.74	99	396.97	182.66	127.70
97	9233	0.65	313.43	9.21320	-396.11	-18.82	-396.11	0.65	96	396.55	182.72	127.70
98	9328	0.83	325.65	9.30819	-395.17	-19.60	-395.17	0.25	95	395.65	182.84	134.90
99	9423	0.68	315	9.40319	-394.20	-20.38	-394.20	0.22	95	394.73	182.86	134.90
100	9518	0.93	308.13	9.49818	-393.33	-21.39	-393.33	0.28	95	393.91	183.11	134.90
101	9613	0.64	315.61	9.59317	-392.47	-22.37	-392.47	0.32	95	393.11	183.26	134.90
102	9709	0.39	297.68	9.68916	-391.84	-23.03	-391.84	0.31	96	392.61	183.36	134.90
103	9804	0.97	295.31	9.78416	-391.44	-24.04	-391.44	0.61	95	392.18	183.51	142
104	9899	1.59	301.79	9.87913	-390.41	-25.89	-390.41	0.67	95	391.26	183.79	142
105	9994	4.56	0.54	9.97400	-385.93	-26.97	-385.93	4.18	95	386.87	184.00	142
106	10089	13.14	9.32	10.06779	-371.47	-25.19	-371.47	9.12	95	372.33	183.88	142
107	10184	24.59	15.08	10.15754	-341.63	-18.27	-341.63	12.20	95	342.12	183.06	134.90
108	10279	40.24	15.10	10.23749	-292.62	-5.05	-292.62	16.47	95	292.86	180.99	142
109	10374	52.06	7.36	10.30324	-225.55	7.79	-225.55	13.74	95	225.68	178.02	142
110	10469	65.54	2.32	10.35236	-144.78	14.38	-144.78	14.89	95	145.50	173.33	142
111	10564	71.85	356.22	10.38689	-56.38	13.15	-56.38	8.94	95	57.89	166.87	149.10
112	10659	77.64	355.97	10.41187	35.02	6.91	35.02	6.10	95	35.69	11.16	149.10
113	10704	83.09	357.83	10.41940	79.30	4.51	79.30	12.78	45	79.43	3.26	-9999
114	10796	86.78	359.60	10.42752	170.90	2.46	170.90	4.45	92	170.92	0.83	134.90
115	10889	87.96	359.10	10.43179	263.79	1.41	263.79	1.38	93	263.80	0.31	142
116	10983	87.17	359.14	10.43578	357.70	-0.03	357.70	0.84	94	357.70	359.99	145
117	11077	87.76	359.70	10.43994	451.60	-0.98	451.60	0.86	94	451.60	359.88	142
118	11169	88.01	359.39	10.44334	543.53	-1.71	543.53	0.43	92	543.54	359.82	145
119	11263	88.63	359.54	10.44609	637.49	-2.59	637.49	0.68	94	637.49	359.77	142
120	11355	88.15	359.08	10.44868	729.44	-3.70	729.44	0.72	92	729.45	359.71	142
121	11448	88.74	359.80	10.45120	822.41	-4.61	822.41	1.00	93	822.42	359.68	149.10
122	11541	89.50	0.46	10.45263	915.39	-4.40	915.39	1.08	93	915.40	359.72	149.10
123	11633	90.36	0.84	10.45274	1,007.39	-3.35	1,007.39	1.02	92	1,007.39	359.81	149.10

Svy	Depth	Inc	Azm	TWD	NS	EW	VS	DLS	CL	CD	CA	Temp
124	11727	88.61	0.04	10.452.77	1,101.38	-2.63	1,101.38	1.17	94	1,101.38	359.86	149.10
125	11822	91.57	0.14	10.451.79	1,196.37	-2.48	1,196.37	2.07	95	1,196.37	359.88	149.10
126	11917	90.56	359.19	10.450.02	1,291.35	-3.04	1,291.35	1.46	95	1,291.36	359.87	149.10
127	12013	90.45	358.80	10.449.18	1,387.33	-4.89	1,387.33	0.63	96	1,387.34	359.80	149.10
128	12108	88.61	358.12	10.449.13	1,482.29	-7.61	1,482.29	1.02	95	1,482.31	359.71	156.30
129	12203	89.19	357.89	10.450.12	1,577.23	-10.91	1,577.23	0.50	95	1,577.26	359.60	156.30
130	12298	89.94	358.35	10.450.84	1,672.17	-14.03	1,672.17	0.93	95	1,672.23	359.52	156.30
131	12392	88.02	358.05	10.451.70	1,766.12	-16.98	1,766.12	1.03	94	1,766.20	359.45	156.30
132	12487	90.39	358.23	10.452.19	1,861.07	-20.07	1,861.07	1.45	95	1,861.17	359.38	156.30
133	12582	91.37	359.11	10.450.73	1,956.03	-22.27	1,956.03	1.39	95	1,956.15	359.35	156.30
134	12677	91.23	0.21	10.448.57	2,051.00	-22.83	2,051.00	1.17	95	2,051.13	359.36	163.40
135	12772	90.78	0.50	10.446.90	2,145.98	-22.25	2,145.98	0.56	95	2,146.10	359.41	163.40
136	12867	90.84	0.51	10.445.56	2,240.97	-21.41	2,240.97	0.06	95	2,241.07	359.45	163.40
137	12962	88.94	0.87	10.445.74	2,335.96	-20.26	2,335.96	2.04	95	2,336.05	359.50	163.40
138	13056	89.92	0.31	10.446.88	2,429.85	-19.30	2,429.85	1.20	94	2,430.02	359.55	163.40
139	13151	88.99	0.87	10.447.58	2,524.94	-18.32	2,524.94	1.14	95	2,525.00	359.58	163.40
140	13246	90.78	0.70	10.447.77	2,619.92	-17.02	2,619.92	1.89	95	2,619.98	359.63	163.40
141	13341	90.06	1.50	10.447.08	2,714.80	-15.19	2,714.90	1.13	95	2,714.94	359.68	163.40
142	13436	89.50	1.05	10.447.44	2,809.88	-13.08	2,809.88	0.76	95	2,809.91	359.73	163.40
143	13531	91.15	0.98	10.446.90	2,904.86	-11.40	2,904.86	1.74	95	2,904.88	359.78	163.40
144	13627	90.11	0.75	10.445.85	3,000.84	-9.95	3,000.84	1.11	96	3,000.86	359.81	163.40
145	13722	89.38	359.15	10.446.27	3,095.83	-10.03	3,095.83	1.85	95	3,095.85	359.81	163.40
146	13817	90.31	359.01	10.446.53	3,190.82	-11.56	3,190.82	0.99	95	3,190.84	359.79	163.40
147	13912	88.52	358.99	10.447.50	3,285.79	-13.54	3,285.79	1.94	95	3,285.82	359.76	163.40
148	14008	89.44	358.74	10.449.21	3,381.75	-15.78	3,381.75	0.97	96	3,381.79	359.73	163.40
149	14102	90.84	358.88	10.448.98	3,475.73	-17.73	3,475.73	1.50	94	3,475.77	359.71	170.60
150	14197	91.60	358.94	10.446.95	3,570.69	-19.54	3,570.69	0.80	95	3,570.74	359.69	170.60
151	14292	90.90	359.13	10.444.88	3,665.65	-21.14	3,665.65	0.76	95	3,665.71	359.67	170.60
152	14387	90.53	0.55	10.443.70	3,760.64	-21.40	3,760.64	1.54	95	3,760.70	359.67	170.60
153	14482	89.52	0.82	10.443.65	3,855.63	-20.27	3,855.63	1.10	95	3,855.68	359.70	170.60
154	14577	88.44	0.04	10.444.52	3,950.62	-19.56	3,950.62	0.83	95	3,950.67	359.72	170.60
155	14671	90.59	0.70	10.444.49	4,044.62	-18.95	4,044.62	1.41	94	4,044.66	359.75	170.60
156	14766	92.04	0.52	10.442.31	4,139.59	-17.94	4,139.59	1.54	95	4,139.63	359.75	170.60
157	14861	91.46	0.27	10.439.41	4,234.54	-17.28	4,234.54	0.66	95	4,234.58	359.77	170.60
158	14955	90.48	359.22	10.437.82	4,328.52	-17.70	4,328.52	1.53	94	4,328.56	359.77	170.60
159	15050	89.08	357.88	10.438.18	4,423.49	-20.11	4,423.49	2.04	95	4,423.53	359.74	170.60
160	15145	89.44	357.64	10.439.41	4,518.41	-23.82	4,518.41	0.46	95	4,518.47	359.70	170.60
161	15240	88.91	357.89	10.440.78	4,613.32	-27.52	4,613.32	0.62	95	4,613.41	359.66	170.60
162	15335	88.89	358.16	10.441.77	4,708.26	-30.80	4,708.26	1.07	95	4,708.36	359.63	177.70
163	15430	89.50	359.03	10.442.28	4,803.23	-34.13	4,803.23	1.00	95	4,803.34	359.60	170.60
164	15525	89.97	359.77	10.442.72	4,898.22	-34.12	4,898.22	0.92	95	4,898.24	359.60	-9999
165	15620	89.78	0.73	10.442.93	4,993.22	-33.71	4,993.22	1.03	95	4,993.33	359.61	170.60
166	15716	90.62	0.19	10.442.59	5,089.22	-32.94	5,089.22	1.04	96	5,089.32	359.63	-9999
167	15811	91.09	0.05	10.441.17	5,184.20	-32.74	5,184.20	0.52	95	5,184.31	359.64	-9999
168	15906	89.66	0.24	10.440.55	5,279.20	-32.50	5,279.20	1.52	95	5,279.30	359.65	-9999

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
169	16003	89.50	359.87	10.44126	5.376.20	-32.40	5.376.20	0.42	97	5.376.29	359.65	159.80
170	16099	89.36	0.22	10.44222	5.472.19	-32.33	5.472.19	0.39	96	5.472.29	359.66	161.60
171	16194	90.48	0.35	10.44235	5.567.19	-31.85	5.567.19	1.19	95	5.567.28	359.67	161.60
172	16289	90.55	0.58	10.44150	5.662.18	-31.08	5.662.18	0.25	95	5.662.27	359.69	163.40
173	16384	91.08	0.43	10.44015	5.757.17	-30.25	5.757.17	0.58	95	5.757.25	359.70	165.20
174	16480	89.03	0.51	10.44005	5.853.16	-28.46	5.853.16	2.14	96	5.853.23	359.71	165.20
175	16574	88.97	0.76	10.44169	5.947.14	-28.42	5.947.14	0.27	94	5.947.21	359.73	165.20
176	16669	88.89	0.45	10.44338	6.042.12	-27.41	6.042.12	0.33	95	6.042.18	359.74	165.20
177	16764	89.22	1.52	10.44487	6.137.09	-25.78	6.137.09	1.15	95	6.137.15	359.76	162.60
178	16858	87.47	359.25	10.44758	6.231.04	-25.15	6.231.04	3.05	94	6.231.09	359.77	162.60
179	16953	89.84	359.55	10.44981	6.326.00	-26.14	6.326.00	2.51	95	6.326.06	359.76	162.60
180	17048	90.99	359.86	10.44913	6.421.00	-26.63	6.421.00	1.25	95	6.421.05	359.76	162.60
181	17143	90.34	0.31	10.44802	6.515.99	-26.49	6.515.99	0.83	95	6.516.04	359.77	162.60
182	17238	91.08	0.12	10.44635	6.610.97	-26.14	6.610.97	1.42	95	6.611.02	359.77	164.40
183	17334	92.20	0.07	10.44310	6.706.92	-25.98	6.706.92	0.54	96	6.706.97	359.78	168.80
184	17429	92.81	1.30	10.43895	6.801.82	-24.84	6.801.82	1.44	95	6.801.86	359.79	164.40
185	17524	92.86	1.62	10.43425	6.896.67	-22.42	6.896.67	0.34	95	6.896.71	359.81	166.10
186	17620	91.60	1.69	10.43051	6.992.56	-19.65	6.992.56	1.31	96	6.992.58	359.84	166.10
187	17715	89.70	2.13	10.42943	7.087.49	-18.49	7.087.49	2.05	95	7.087.51	359.87	166.10
188	17810	90.20	3.20	10.42952	7.182.39	-12.07	7.182.39	1.24	95	7.182.40	359.90	167.90
189	17906	89.71	1.85	10.42958	7.278.29	-7.84	7.278.29	1.50	96	7.278.30	359.94	166.10
190	18001	90.55	2.28	10.42938	7.373.23	-4.42	7.373.23	0.99	95	7.373.23	359.97	166.10
191	18096	88.52	1.37	10.43015	7.468.17	-1.39	7.468.17	2.34	95	7.468.17	359.99	164.40
192	18192	87.60	0.32	10.43340	7.564.10	0.02	7.564.10	1.45	96	7.564.10	0.00	164.40
193	18286	88.12	359.63	10.43691	7.658.04	-0.02	7.658.04	0.92	94	7.658.04	360.00	164.40
194	18381	87.89	359.04	10.44022	7.752.97	-1.12	7.752.97	0.67	95	7.752.97	359.99	162.60
195	18475	90.01	359.12	10.44194	7.846.94	-2.63	7.846.94	2.26	94	7.846.94	359.98	155.50
196	18570	89.79	359.34	10.44210	7.941.93	-3.91	7.941.93	0.33	95	7.941.93	359.97	157.30
197	18666	89.17	358.10	10.44298	8.037.90	-6.05	8.037.90	1.44	96	8.037.90	359.96	155.50
198	18761	89.47	357.95	10.44475	8.132.84	-9.33	8.132.84	0.35	95	8.132.84	359.93	153.80
199	18856	89.75	357.63	10.44475	8.227.76	-12.99	8.227.76	0.45	95	8.227.77	359.91	157.30
200	18951	91.37	358.47	10.44382	8.322.70	-16.22	8.322.70	1.92	95	8.322.72	359.89	157.30
201	19046	91.86	358.33	10.44114	8.417.63	-18.87	8.417.63	0.54	95	8.417.65	359.87	159.10
202	19141	91.75	359.23	10.43815	8.512.56	-20.89	8.512.56	0.95	95	8.512.58	359.86	163.40
203	19236	90.72	359.59	10.43810	8.607.53	-21.87	8.607.53	1.15	95	8.607.56	359.85	165.20
204	19332	91.26	0.57	10.43444	8.703.51	-21.74	8.703.51	1.17	96	8.703.54	359.86	163.40
205	19426	91.55	1.16	10.43214	8.797.47	-20.32	8.797.47	0.70	94	8.797.50	359.87	160.80
206	19521	88.75	0.48	10.43189	8.892.45	-18.96	8.892.45	3.03	95	8.892.47	359.88	160.80
207	19615	87.86	1.01	10.43467	8.986.40	-17.74	8.986.40	1.10	94	8.986.42	359.89	162.60
208	19709	86.99	0.67	10.43889	9.080.30	-16.36	9.080.30	0.99	94	9.080.31	359.90	162.60
209	19804	86.87	0.29	10.44398	9.175.16	-15.57	9.175.16	0.42	95	9.175.17	359.90	160.80
210	19899	87.56	359.47	10.44860	9.270.04	-16.77	9.270.04	1.13	95	9.270.06	359.90	159.10
211	19994	88.80	359.05	10.45162	9.364.98	-16.99	9.364.98	1.38	95	9.365.00	359.90	159.10
212	20090	89.24	358.56	10.45326	9.460.95	-18.99	9.460.95	0.69	96	9.460.97	359.88	159.10
213	20185	89.28	358.49	10.45448	9.555.91	-21.44	9.555.91	0.08	95	9.555.93	359.87	159.10

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
214	20280	88.41	357.88	10,456.40	9,650.84	-24.45	9,650.84	1.12	95	9,650.87	359.85	159.10
215	20376	87.46	357.84	10,459.86	9,746.71	-28.03	9,746.71	0.99	96	9,746.75	359.84	162.60
216	20390	87.13	357.51	10,460.52	9,760.68	-28.60	9,760.68	3.33	14	9,760.73	359.83	162.60
PTB	20440	87.13	357.51	10,463.02	9,810.57	-30.77	9,810.57	0	50	9,810.62	359.82	0