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NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 09 2017

RECEIVED

Survey Company: MS Energy Services
MWD Surveyor Name: Tim Little
Survey Type: MWD
Operating Company: Matador Production Co.
Well Name & Number: Joe Coleman 13-23S-27E RB 206H
API Number: 30-015-44059
Surveyed Depths: 197' - 14,226' MD, PTB; 14,299'
Dates Performed: 03/16/2017 - 04-16-2017
Location: Eddy County, NM

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Energy Services; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Energy Services.

Digitally signed by: Tim Little
Title: MWD Field Specialist
Date: 2017-05-02
Email: tlittle@msenergyservices.com



SURVEY CALCULATION PROGRAM

5/2/17 16:39

Company: Matador Production Co.
Well Name: Joe Coleman 13-23S-27E RB 206H
Location: Eddy County, NM
Rig: Patterson #297
Job Number: DDMO-170245
API #: 30-015-44059

Magnetic Declination: 7.32



REFERENCED TO GRID NORTH

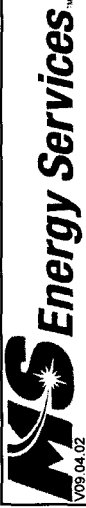
Proposed Direction: 89.82

Minimum Curvature

Vertical Section Azimuth: 89.82

Survey Calculation Method: MD

#	Depth Feet	Inc		Azimuth		TVD		N/S		Feet		E/W		Feet		Surface		Distance		Closure		DLS/		BUR/	
		Degrees	Degrees	Degrees	Degrees	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	100	100	100'	100'
TIE IN	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	197	1.10	325.20	196.99	1.55	1.55	1.55	1.55	1.55	-1.08	-1.07	1.89	325.20	0.56	0.56	1.89	325.20	0.56	0.56	1.89	325.20	0.56	0.56	1.89	325.20
2	372	1.40	26.00	371.95	4.85	4.85	4.85	4.85	4.85	-1.10	-1.09	4.98	347.22	0.74	0.74	4.98	347.22	0.74	0.74	4.98	347.22	0.74	0.74	4.98	347.22
3	541	1.80	19.30	540.89	9.21	9.21	9.21	9.21	9.21	0.68	0.71	9.24	4.23	0.26	0.26	9.24	4.23	0.26	0.26	9.24	4.23	0.26	0.26	9.24	4.23
4	693	1.10	95.00	692.85	11.34	11.34	11.34	11.34	11.34	2.92	2.96	11.71	14.46	1.23	1.23	11.71	14.46	1.23	1.23	11.71	14.46	1.23	1.23	11.71	14.46
5	875	0.90	83.20	874.82	11.36	11.36	11.36	11.36	11.36	6.08	6.12	12.88	28.18	0.16	0.16	12.88	28.18	0.16	0.16	12.88	28.18	0.16	0.16	12.88	28.18
6	1,063	0.90	91.90	1062.80	11.48	11.48	11.48	11.48	11.48	9.03	9.06	14.61	38.17	0.07	0.07	14.61	38.17	0.07	0.07	14.61	38.17	0.07	0.07	14.61	38.17
7	1,250	1.70	106.40	1249.75	10.65	10.65	10.65	10.65	10.65	13.15	13.19	16.93	51.00	0.46	0.46	16.93	51.00	0.46	0.46	16.93	51.00	0.46	0.46	16.93	51.00
8	1,437	3.00	107.90	1436.59	8.36	8.36	8.36	8.36	8.36	20.47	20.50	22.12	67.78	0.70	0.70	22.12	67.78	0.70	0.70	22.12	67.78	0.70	0.70	22.12	67.78
9	1,624	4.10	111.20	1623.23	4.44	4.44	4.44	4.44	4.44	31.36	31.38	31.67	81.94	0.60	0.60	31.67	81.94	0.60	0.60	31.67	81.94	0.60	0.60	31.67	81.94
10	1,812	3.70	106.80	1810.79	0.26	0.26	0.26	0.26	0.26	43.43	43.44	43.44	89.66	0.27	0.27	43.44	89.66	0.27	0.27	43.44	89.66	0.27	0.27	43.44	89.66
11	1,999	1.90	115.80	1997.56	-2.83	-2.83	-2.83	-2.83	-2.83	52.00	51.99	52.08	93.12	0.99	0.99	52.08	93.12	0.99	0.99	52.08	93.12	0.99	0.99	52.08	93.12
12	2,186	1.20	37.60	2184.51	-2.63	-2.63	-2.63	-2.63	-2.63	55.99	55.98	56.05	92.69	1.09	1.09	56.05	92.69	1.09	1.09	56.05	92.69	1.09	1.09	56.05	92.69
13	2,358	0.60	240.00	2356.50	-1.66	-1.66	-1.66	-1.66	-1.66	56.31	56.30	56.33	91.68	1.03	1.03	56.33	91.68	1.03	1.03	56.33	91.68	1.03	1.03	56.33	91.68
14	2,467	0.60	263.00	2465.49	-2.01	-2.01	-2.01	-2.01	-2.01	55.25	55.24	55.28	92.08	0.22	0.22	55.28	92.08	0.22	0.22	55.28	92.08	0.22	0.22	55.28	92.08
15	2,560	0.70	268.00	2558.49	-2.09	-2.09	-2.09	-2.09	-2.09	54.20	54.19	54.24	92.21	0.12	0.12	54.24	92.21	0.12	0.12	54.24	92.21	0.12	0.12	54.24	92.21
16	2,654	0.70	261.10	2652.48	-2.20	-2.20	-2.20	-2.20	-2.20	53.06	53.05	53.10	92.37	0.09	0.09	53.10	92.37	0.09	0.09	53.10	92.37	0.09	0.09	53.10	92.37
17	2,748	0.70	258.90	2746.47	-2.40	-2.40	-2.40	-2.40	-2.40	51.92	51.92	51.98	92.64	0.03	0.03	51.98	92.64	0.03	0.03	51.98	92.64	0.03	0.03	51.98	92.64
18	2,841	0.70	251.40	2839.47	-2.69	-2.69	-2.69	-2.69	-2.69	50.83	50.82	50.90	93.03	0.10	0.10	50.90	93.03	0.10	0.10	50.90	93.03	0.10	0.10	50.90	93.03
19	2,935	1.00	239.10	2933.46	-3.29	-3.29	-3.29	-3.29	-3.29	49.58	49.57	49.69	93.80	0.37	0.37	49.69	93.80	0.37	0.37	49.69	93.80	0.37	0.37	49.69	93.80
20	3,122	1.00	240.10	3120.43	-4.94	-4.94	-4.94	-4.94	-4.94	46.77	46.75	47.03	96.04	0.01	0.01	47.03	96.04	0.01	0.01	47.03	96.04	0.01	0.01	47.03	96.04
21	3,310	0.90	242.20	3308.40	-6.45	-6.45	-6.45	-6.45	-6.45	44.04	44.02	44.51	98.33	0.06	0.06	44.51	98.33	0.06	0.06	44.51	98.33	0.06	0.06	44.51	98.33
22	3,498	0.90	252.40	3496.38	-7.59	-7.59	-7.59	-7.59	-7.59	41.32	41.30	42.01	100.40	0.09	0.09	42.01	100.40	0.09	0.09	42.01	100.40	0.09	0.09	42.01	100.40
23	3,686	1.10	259.70	3684.35	-8.35	-8.35	-8.35	-8.35	-8.35	38.14	38.11	39.05	102.36	0.13	0.13	39.05	102.36	0.13	0.13	39.05	102.36	0.13	0.13	39.05	102.36
24	3,873	0.50	16.90	3871.34	-7.90	-7.90	-7.90	-7.90	-7.90	36.61	36.59	37.45	102.17	0.11	0.11	37.45	102.17	0.11	0.11	37.45	102.17	0.11	0.11	37.45	102.17
25	4,060	0.60	24.10	4058.33	-6.22	-6.22	-6.22	-6.22	-6.22	37.25	37.23	37.77	99.48	0.05	0.05	37.77	99.48	0.05	0.05	37.77	99.48	0.05	0.05	37.77	99.48
26	4,248	0.40	348.10	4246.32	-4.68	-4.68	-4.68	-4.68	-4.68	37.52	37.50	37.81	97.11	0.19	0.19	37.81	97.11	0.19	0.19	37.81	97.11	0.19	0.19	37.81	97.11
27	4,436	0.40	356.90	4434.32	-3.38	-3.38	-3.38	-3.38	-3.38	37.35	37.33	37.50	95.18	0.03	0.03	37.50	95.18	0.03	0.03	37.50	95.18	0.03	0.03	37.50	95.18
28	4,623	0.20	347.50	4621.32	-2.41	-2.41	-2.41	-2.41	-2.41	37.24	37.23	37.32	93.71	0.11	0.11	37.32	93.71	0.11	0.11	37.32	93.71	0.11	0.11	37.32	93.71
29	4,811	0.50	325.20	4809.31	-1.42	-1.42	-1.42	-1.42	-1.42	36.70	36.70	36.73	92.21	0.17	0.17	36.73	92.21	0.17	0.17	36.73	92.21	0.17	0.17	36.73	92.21
30	4,998	0.60	312.40	4996.30	-0.09	-0.09	-0.09	-0.09	-0.09	35.51	35.51	35.51	90.14	0.08	0.08	35.51	90.14	0.08	0.08	35.51	90.14	0.08	0.08	35.51	90.14
31	5,185	0.70	296.80	5183.29	1.09	1.09	1.09	1.09	1.09	33.77	33.77	33.79	88.16	0.11	0.11	33.79	88.16	0.11	0.11	33.79	88.16	0.11	0.11	33.79	88.16
32	5,373	0.30	332.20	5371.28	2.04	2.04	2.04	2.04	2.04	32.51	32.52	32.58	86.41	0.26	0.26	32.58	86.41	0.26	0.26	32.58	86.41	0.26	0.26	32.58	86.41
33	5,560	0.50	282.90	5558.28	2.66	2.66	2.66	2.66	2.66	31.49	31.50	31.60	85.18	0.20	0.20	31.60	85.18	0.20	0.20	31.60	85.18	0.20	0.20	31.60	85.18



SURVEY CALCULATION PROGRAM

5/2/17 16:39

Company: Matador Production Co.
Well Name: Joe Coleman 13-23S-27E RB 206H
Location: Eddy County, NM
Rig: Patterson #297
Job Number: DDMO-170245
API #: 30-015-44059

Magnetic Declination: 7.32
REFERENCED TO GRID NORTH

Proposed Direction: 89.82

Vertical Section Azimuth: 89.82

Survey Calculation Method: Minimum Curvature

#	Depth Feet	Inc		Azimuth	TVD		N/S	Feet	E/W		Surface Vert Sec	Distance	Closure		DLS/ 100	BUR/ 100'
		MD	MD		INC	Feet			Feet	Feet			E/W	E/W		
34	5,748	1.10	95.70	5746.27	2.66	32.49	32.49	32.49	32.49	32.49	32.49	32.49	85.32	85.32	0.85	0.32
35	5,935	0.10	177.90	5933.26	2.32	34.28	34.28	34.28	34.28	34.28	34.28	34.28	86.13	86.13	0.58	-0.53
36	6,123	0.70	283.30	6121.25	2.42	33.17	33.17	33.17	33.17	33.17	33.17	33.17	85.83	85.83	0.39	0.32
37	6,310	1.70	107.50	6308.23	1.85	34.70	34.70	34.70	34.70	34.70	34.70	34.70	86.95	86.95	1.28	0.53
38	6,498	1.90	130.40	6496.14	-1.01	39.73	39.73	39.73	39.73	39.73	39.73	39.73	91.46	91.46	0.39	0.11
39	6,591	0.70	119.60	6589.12	-2.29	41.40	41.40	41.40	41.40	41.40	41.40	41.40	93.17	93.17	1.31	-1.29
40	6,685	0.80	124.00	6683.11	-2.94	42.45	42.45	42.45	42.45	42.45	42.45	42.45	93.96	93.96	0.12	0.11
41	6,778	1.10	125.10	6776.10	-3.82	43.71	43.71	43.71	43.71	43.71	43.71	43.71	94.99	94.99	0.32	0.32
42	6,872	0.80	133.30	6870.08	-4.79	44.93	44.93	44.93	44.93	44.93	44.93	44.93	96.08	96.08	0.35	-0.32
43	6,966	0.50	177.50	6964.08	-5.65	45.43	45.43	45.43	45.43	45.43	45.43	45.43	97.09	97.09	0.60	-0.32
44	7,059	0.60	223.70	7057.07	-6.40	45.11	45.11	45.11	45.11	45.11	45.11	45.11	98.08	98.08	0.47	0.11
45	7,153	0.80	255.70	7151.07	-6.92	44.13	44.13	44.13	44.13	44.13	44.13	44.13	98.91	98.91	0.46	0.21
46	7,247	1.30	261.60	7245.05	-7.24	42.44	42.44	42.44	42.44	42.44	42.44	42.44	99.68	99.68	0.54	0.53
47	7,340	2.20	265.50	7338.01	-7.53	39.62	39.62	39.62	39.62	39.62	39.62	40.33	100.77	100.77	0.98	0.97
48	7,434	1.00	269.70	7431.97	-7.68	37.00	37.00	37.00	37.00	37.00	37.00	37.79	101.73	101.73	1.28	-1.28
49	7,527	0.80	268.40	7524.96	-7.70	35.54	35.54	35.54	35.54	35.54	35.54	36.36	102.23	102.23	0.22	-0.22
50	7,621	1.00	270.30	7618.95	-7.72	34.06	34.06	34.06	34.06	34.06	34.06	34.92	102.77	102.77	0.22	0.21
51	7,714	1.40	273.80	7711.93	-7.64	32.12	32.12	32.12	32.12	32.12	32.12	33.01	103.38	103.38	0.44	0.43
52	7,808	1.60	274.80	7805.89	-7.45	29.66	29.66	29.66	29.66	29.66	29.66	30.58	104.10	104.10	0.21	0.21
53	7,902	0.40	9.30	7899.88	-7.02	28.41	28.41	28.41	28.41	28.41	28.41	29.26	103.88	103.88	1.79	-1.28
54	7,995	0.80	314.00	7992.88	-6.25	27.99	27.99	27.99	27.99	27.99	27.99	28.68	102.58	102.58	0.71	0.43
55	8,089	0.50	241.40	8086.87	-5.99	27.16	27.16	27.16	27.16	27.16	27.16	27.81	102.43	102.43	0.86	-0.32
56	8,182	0.90	286.00	8179.86	-5.98	26.10	26.10	26.10	26.10	26.10	26.10	26.78	102.90	102.90	0.70	0.43
57	8,276	0.70	278.40	8273.86	-5.69	24.82	24.82	24.82	24.82	24.82	24.82	25.47	102.91	102.91	0.24	-0.21
58	8,369	1.10	245.10	8366.84	-5.99	23.45	23.45	23.45	23.45	23.45	23.45	24.20	104.32	104.32	0.69	0.43
59	8,463	1.50	208.80	8460.82	-7.44	22.04	22.04	22.04	22.04	22.04	22.04	23.26	108.66	108.66	0.95	0.43
60	8,557	1.40	210.60	8554.79	-9.51	20.86	20.86	20.86	20.86	20.86	20.86	22.93	114.50	114.50	0.12	-0.11
61	8,674	3.70	112.40	8671.70	-12.18	23.63	23.63	23.63	23.63	23.63	23.63	26.58	117.27	117.27	3.54	1.97
62	8,720	10.10	96.30	8717.35	-13.19	29.02	29.02	29.02	29.02	29.02	29.02	31.87	114.44	114.44	14.40	13.91
63	8,768	15.80	88.50	8764.11	-13.48	39.74	39.74	39.74	39.74	39.74	39.74	41.97	108.74	108.74	12.39	11.88
64	8,814	18.40	92.80	8808.08	-13.67	53.26	53.26	53.26	53.26	53.26	53.26	54.98	104.40	104.40	6.28	5.65
65	8,861	22.70	92.40	8852.08	-14.41	69.73	69.73	69.73	69.73	69.73	69.73	71.21	101.68	101.68	9.15	9.15
66	8,908	28.40	94.10	8894.46	-15.59	89.96	89.96	89.96	89.96	89.96	89.96	91.30	99.83	99.83	12.23	12.13
67	8,955	32.70	93.70	8934.93	-17.21	113.79	113.79	113.79	113.79	113.79	113.79	115.08	98.60	98.60	9.16	9.15



V09 04.02

SURVEY CALCULATION PROGRAM

5/2/17 16:39

Company: Matador Production Co.

Well Name: Joe Coleman 13-23S-27E RB 206H

Location: Eddy County, NM

Rig: Patterson #297

Job Number: DDMO-170245

API #: 30-015-44059

Magnetic Declination: 7.32

REFERENCED TO GRID NORTH

Vertical Section Azimuth: 89.82

Proposed Direction: 89.82

Survey Calculation Method: Minimum Curvature

#	Depth Feet	Inc		Azimuth		TVD		N/S		E/W		Surface		Distance		Closure		DLS/		BUR/	
		MD	14,299	MD	14,299	INC	90.1	FEET	88.9	FEET	9392	FEET	VERT SEC	FEET	FEET	FEET	FEET	100'	100'	100'	100'
68	9,002	36.50	92.40	8973.61	-18.62	140.43	140.37	141.66	97.55	8.24	8.09										
69	9,049	39.20	93.20	9010.72	-20.03	169.23	169.17	170.42	96.75	5.84	5.74										
70	9,095	43.00	90.40	9045.38	-20.95	199.45	199.38	200.55	96.00	9.18	8.26										
71	9,142	47.00	84.20	9078.62	-19.33	232.60	232.54	233.40	94.75	12.62	8.51										
72	9,189	50.60	81.80	9109.58	-15.00	267.69	267.64	268.11	93.21	8.57	7.66										
73	9,236	54.30	81.00	9138.22	-9.42	304.53	304.49	304.67	91.77	7.99	7.87										
74	9,283	57.30	83.90	9164.64	-4.33	343.05	343.04	343.08	90.72	8.17	6.38										
75	9,330	61.30	87.80	9188.63	-1.44	383.34	383.34	383.34	90.21	11.10	8.51										
76	9,376	65.20	90.60	9209.34	-0.88	424.40	424.40	424.40	90.12	10.07	8.48										
77	9,423	69.10	91.80	9227.59	-1.79	467.69	467.69	467.70	90.22	8.62	8.30										
78	9,468	72.90	93.00	9242.23	-3.58	510.20	510.18	510.21	90.40	8.81	8.44										
79	9,559	82.90	92.60	9261.29	-7.92	598.96	598.93	599.01	90.76	11.00	10.99										
80	9,607	88.40	90.40	9264.93	-9.17	646.78	646.75	646.84	90.81	12.34	11.46										
81	9,701	91.60	89.50	9264.93	-9.08	740.77	740.73	740.82	90.70	3.54	3.40										
82	9,796	88.10	88.90	9265.17	-7.76	835.74	835.71	835.78	90.53	3.74	-3.68										
83	9,890	86.40	89.40	9269.68	-6.36	929.62	929.59	929.64	90.39	1.88	-1.81										
84	9,985	85.90	89.50	9276.06	-5.45	1024.40	1024.38	1024.41	90.31	0.54	-0.53										
85	10,079	86.10	89.90	9282.62	-4.96	1118.17	1118.15	1118.18	90.25	0.47	0.21										
86	10,174	86.40	89.60	9288.83	-4.55	1212.97	1212.95	1212.97	90.21	0.45	0.32										
87	10,268	86.70	89.60	9294.49	-3.89	1306.79	1306.77	1306.80	90.17	0.32	0.32										
88	10,363	86.10	89.40	9300.46	-3.07	1401.60	1401.58	1401.60	90.13	0.67	-0.63										
89	10,457	86.00	89.10	9306.93	-1.84	1495.37	1495.36	1495.37	90.07	0.34	-0.11										
90	10,551	86.70	89.20	9312.91	-0.45	1589.17	1589.16	1589.17	90.02	0.75	0.74										
91	10,646	91.30	90.10	9314.57	0.13	1684.13	1684.12	1684.13	90.00	4.93	4.84										
92	10,740	90.50	89.50	9313.10	0.46	1778.11	1778.10	1778.11	89.99	1.06	-0.85										
93	10,835	91.50	89.40	9311.44	1.37	1873.09	1873.09	1873.09	89.96	1.06	1.05										
94	10,929	90.20	88.20	9310.04	3.34	1967.06	1967.06	1967.06	89.90	1.88	-1.38										
95	11,024	89.00	89.30	9310.71	5.41	2062.03	2062.04	2062.04	89.85	1.71	-1.26										
96	11,118	90.60	89.50	9311.03	6.40	2156.02	2156.03	2156.03	89.83	1.72	1.70										
97	11,212	86.70	90.10	9313.25	6.72	2249.97	2249.98	2249.98	89.83	4.20	-4.15										
98	11,306	86.80	90.60	9318.58	6.15	2343.82	2343.83	2343.83	89.85	0.54	0.11										
99	11,401	86.70	89.90	9323.96	5.74	2438.67	2438.67	2438.67	89.87	0.74	-0.11										
100	11,496	86.20	89.60	9329.85	6.15	2533.48	2533.49	2533.49	89.86	0.61	-0.53										
101	11,590	89.50	90.60	9333.37	5.99	2627.40	2627.41	2627.41	89.87	3.67	3.51										



V09.04.02

SURVEY CALCULATION PROGRAM

5/2/17 16:39

Company:	Matador Production Co.
Well Name:	Joe Coleman 13-23S-27E RB 206H
Location:	Eddy County, NM
Rig:	Patterson #297
Job Number:	DDMO-170245
API #:	30-015-44059

Magnetic Declination:

7.32

REFERENCED TO GRID NORTH

Proposed Direction:

89.82

Vertical Section Azimuth:

89.82

Survey Calculation Method:

Minimum Curvature

#	Depth Feet	Inc		Azimuth		TVD		N/S		E/W		Surface		Distance		Closure		DLS/		BUR/	
		Degrees	Feet	Degrees	Feet	Degrees	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	100	100'	100'	100'
102	11,684	87.60	89.80	89.80	9335.75	5.66	2721.37	2721.37	2721.37	2721.37	2721.37	2721.37	2721.37	2721.37	2721.37	2721.37	2721.37	2.19	2.19	-2.02	-2.02
103	11,778	87.50	89.30	89.30	9339.77	6.40	2815.28	2815.28	2815.28	2815.28	2815.28	2815.28	2815.28	2815.28	2815.28	2815.28	2815.28	0.54	0.54	-0.11	-0.11
104	11,872	89.80	90.70	90.70	9341.98	6.39	2909.24	2909.24	2909.24	2909.24	2909.24	2909.24	2909.24	2909.24	2909.24	2909.24	2909.24	2.86	2.86	2.45	2.45
105	11,966	88.40	89.20	89.20	9343.46	6.48	3003.23	3003.23	3003.23	3003.23	3003.23	3003.23	3003.23	3003.23	3003.23	3003.23	3003.23	2.18	2.18	-1.49	-1.49
106	12,060	88.50	89.30	89.30	9346.00	7.71	3097.18	3097.18	3097.18	3097.18	3097.18	3097.18	3097.18	3097.18	3097.18	3097.18	3097.18	0.15	0.15	0.11	0.11
107	12,154	89.30	89.40	89.40	9347.81	8.77	3191.16	3191.16	3191.16	3191.16	3191.16	3191.16	3191.16	3191.16	3191.16	3191.16	3191.16	0.86	0.86	0.85	0.85
108	12,248	88.30	88.50	88.50	9349.78	10.49	3285.12	3285.12	3285.12	3285.12	3285.12	3285.12	3285.12	3285.12	3285.12	3285.12	3285.12	1.43	1.43	-1.06	-1.06
109	12,343	88.30	88.60	88.60	9352.59	12.90	3380.05	3380.05	3380.05	3380.05	3380.05	3380.05	3380.05	3380.05	3380.05	3380.05	3380.05	0.11	0.11	0.00	0.00
110	12,436	87.80	88.70	88.70	9355.76	15.09	3472.97	3472.97	3472.97	3472.97	3472.97	3472.97	3472.97	3472.97	3472.97	3472.97	3472.97	0.55	0.55	-0.54	-0.54
111	12,531	89.10	88.80	88.80	9358.33	17.16	3567.91	3567.91	3567.91	3567.91	3567.91	3567.91	3567.91	3567.91	3567.91	3567.91	3567.91	1.37	1.37	1.37	1.37
112	12,625	89.10	88.20	88.20	9359.80	19.62	3661.87	3661.87	3661.87	3661.87	3661.87	3661.87	3661.87	3661.87	3661.87	3661.87	3661.87	0.64	0.64	0.00	0.00
113	12,719	88.10	87.40	87.40	9362.10	23.23	3755.77	3755.77	3755.77	3755.77	3755.77	3755.77	3755.77	3755.77	3755.77	3755.77	3755.77	1.36	1.36	-1.06	-1.06
114	12,813	87.40	86.70	86.70	9365.79	28.06	3849.57	3849.57	3849.57	3849.57	3849.57	3849.57	3849.57	3849.57	3849.57	3849.57	3849.57	1.05	1.05	-0.74	-0.74
115	12,907	87.30	86.70	86.70	9370.14	33.47	3943.31	3943.31	3943.31	3943.31	3943.31	3943.31	3943.31	3943.31	3943.31	3943.31	3943.31	0.11	0.11	-0.11	-0.11
116	13,001	88.50	87.20	87.20	9373.58	38.46	4037.11	4037.11	4037.11	4037.11	4037.11	4037.11	4037.11	4037.11	4037.11	4037.11	4037.11	1.38	1.38	1.28	1.28
117	13,095	90.50	87.70	87.70	9374.40	42.65	4131.01	4131.01	4131.01	4131.01	4131.01	4131.01	4131.01	4131.01	4131.01	4131.01	4131.01	2.19	2.19	2.13	2.13
118	13,190	90.10	87.80	87.80	9373.91	46.37	4225.94	4225.94	4225.94	4225.94	4225.94	4225.94	4225.94	4225.94	4225.94	4225.94	4225.94	0.43	0.43	-0.42	-0.42
119	13,284	90.50	87.90	87.90	9373.41	49.90	4319.87	4319.87	4319.87	4319.87	4319.87	4319.87	4319.87	4319.87	4319.87	4319.87	4319.87	0.44	0.44	0.43	0.43
120	13,379	89.60	88.20	88.20	9373.33	53.13	4414.81	4414.81	4414.81	4414.81	4414.81	4414.81	4414.81	4414.81	4414.81	4414.81	4414.81	1.00	1.00	-0.95	-0.95
121	13,473	90.80	90.30	90.30	9373.00	54.36	4508.80	4508.80	4508.80	4508.80	4508.80	4508.80	4508.80	4508.80	4508.80	4508.80	4508.80	2.57	2.57	1.28	1.28
122	13,567	87.30	89.60	89.60	9374.56	54.45	4602.77	4602.77	4602.77	4602.77	4602.77	4602.77	4602.77	4602.77	4602.77	4602.77	4602.77	3.80	3.80	-3.72	-3.72
123	13,661	88.10	90.00	90.00	9378.33	54.77	4696.69	4696.69	4696.69	4696.69	4696.69	4696.69	4696.69	4696.69	4696.69	4696.69	4696.69	0.95	0.95	0.85	0.85
124	13,755	87.60	89.10	89.10	9381.86	55.51	4790.62	4790.62	4790.62	4790.62	4790.62	4790.62	4790.62	4790.62	4790.62	4790.62	4790.62	1.09	1.09	-0.53	-0.53
125	13,849	88.60	89.50	89.50	9384.98	56.66	4884.56	4884.56	4884.56	4884.56	4884.56	4884.56	4884.56	4884.56	4884.56	4884.56	4884.56	1.15	1.15	1.06	1.06
126	13,943	90.40	89.70	89.70	9385.80	57.32	4978.55	4978.55	4978.55	4978.55	4978.55	4978.55	4978.55	4978.55	4978.55	4978.55	4978.55	1.93	1.93	1.91	1.91
127	14,037	87.70	88.50	88.50	9387.35	58.79	5072.52	5072.52	5072.52	5072.52	5072.52	5072.52	5072.52	5072.52	5072.52	5072.52	5072.52	3.14	3.14	-2.87	-2.87
128	14,131	88.20	88.70	88.70	9390.72	61.09	5166.43	5166.43	5166.43	5166.43	5166.43	5166.43	5166.43	5166.43	5166.43	5166.43	5166.43	0.57	0.57	0.53	0.53
129	14,226	90.10	88.90	88.90	9392.13	63.08	5261.39	5261.39	5261.39	5261.39	5261.39	5261.39	5261.39	5261.39	5261.39	5261.39	5261.39	2.01	2.01	2.00	2.00
PTB:	14,299	90.10	88.90	88.90	9392.00	64.48	5334.38	5334.38	5334.38	5334.38	5334.38	5334.38	5334.38	5334.38	5334.38	5334.38	5334.38	0.00	0.00	0.00	0.00