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Fort Worth, Texas 76140

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Survey Company: MS Energy Services
MWD Surveyor Name: Josh Mirelez
Survey Type: MWD
Operating Company: Devon Energy Production Company, LP
Well Name & Number: Chincoteague 32 State COM 005H
API Number: 30-025-42264
Surveyed Depths: 155' – 15,464' MD; PTB: 15,521'
Dates Performed: 04/13/2017 – 05/05/2017
Location: Lea County, NM
Job Number: DDMO-170330

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:

Title: MWD Field Specialist

Date: 05-17-2017

Email: jmirelez@msenergyservices.com

Company:

Devon Energy Production Company, LP

Well Name:

Chincoteague 32 State COM 005H

Location:

Lea County, NM

Rig:

Independence #217

Job Number:

DDMO-170330

API #:

30-025-42264

Vertical Section Azimuth:

360.00

Proposed Direction:

360.00

Survey Calculation Method:

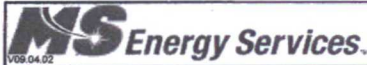
Minimum Curvature

Magnetic Declination:

6.74

REFERENCED TO GRID NORTH

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	15,521	85.2	358.8	10692.13	4826.22	-1127.41	4826.22				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
TIE IN	0	0.00	0.00	0.00	0.00	0.00		0.00			
1	155	0.80	75.60	154.99	0.27	1.05	0.27	1.08	75.60	0.52	0.52
2	246	0.80	74.90	245.99	0.59	2.28	0.59	2.35	75.41	0.01	0.00
3	339	1.10	82.30	338.97	0.88	3.79	0.88	3.89	76.90	0.35	0.32
4	432	1.50	80.30	431.95	1.21	5.87	1.21	6.00	78.40	0.43	0.43
5	524	1.50	82.10	523.92	1.57	8.25	1.57	8.40	79.20	0.05	0.00
6	618	1.60	91.90	617.88	1.70	10.78	1.70	10.92	81.04	0.30	0.11
7	712	1.70	94.30	711.84	1.55	13.48	1.55	13.57	83.43	0.13	0.11
8	792	1.80	89.50	791.81	1.47	15.92	1.47	15.99	84.71	0.22	0.13
9	987	1.40	93.30	986.73	1.36	21.36	1.36	21.41	86.35	0.21	-0.21
10	1,080	0.40	60.40	1079.72	1.46	22.78	1.46	22.83	86.34	1.17	-1.08
11	1,172	0.40	16.10	1171.72	1.93	23.15	1.93	23.23	85.24	0.33	0.00
12	1,264	1.10	339.10	1263.71	3.06	22.92	3.06	23.13	82.40	0.89	0.76
13	1,357	1.10	336.00	1356.69	4.71	22.24	4.71	22.74	78.05	0.06	0.00
14	1,449	1.10	310.10	1448.67	6.08	21.21	6.08	22.06	73.99	0.54	0.00
15	1,542	1.40	282.30	1541.65	6.90	19.41	6.90	20.60	70.43	0.72	0.32
16	1,637	2.30	266.40	1636.60	7.03	16.38	7.03	17.82	66.77	1.08	0.95
17	1,732	2.80	270.10	1731.51	6.91	12.16	6.91	13.98	60.37	0.55	0.53
18	1,827	3.80	271.30	1826.35	6.99	6.69	6.99	9.67	43.74	1.06	1.05
19	1,922	4.80	264.70	1921.08	6.69	-0.42	6.69	6.71	356.43	1.17	1.05
20	2,017	5.30	265.00	2015.71	5.94	-8.75	5.94	10.57	304.20	0.53	0.53
21	2,112	6.10	257.70	2110.24	4.49	-18.05	4.49	18.60	283.96	1.13	0.84
22	2,207	6.80	257.00	2204.64	2.15	-28.46	2.15	28.54	274.31	0.74	0.74
23	2,302	7.60	254.90	2298.89	-0.76	-40.01	-0.76	40.01	268.92	0.89	0.84
24	2,397	8.10	252.90	2393.00	-4.36	-52.47	-4.36	52.65	265.25	0.60	0.53
25	2,492	9.10	251.60	2486.93	-8.70	-65.99	-8.70	66.57	262.49	1.07	1.05
26	2,586	9.70	254.50	2579.67	-13.16	-80.68	-13.16	81.75	260.73	0.81	0.64
27	2,681	9.80	253.50	2673.30	-17.60	-96.14	-17.60	97.74	259.63	0.21	0.11
28	2,776	10.10	257.30	2766.87	-21.73	-112.02	-21.73	114.11	259.02	0.76	0.32
29	2,871	10.30	257.70	2860.37	-25.37	-128.45	-25.37	130.93	258.83	0.22	0.21
30	2,965	10.40	256.30	2952.84	-29.17	-144.90	-29.17	147.81	258.62	0.29	0.11
31	3,061	9.80	258.50	3047.35	-32.85	-161.32	-32.85	164.63	258.49	0.74	-0.63
32	3,156	9.80	258.20	3140.97	-36.11	-177.16	-36.11	180.80	258.48	0.05	0.00
33	3,251	9.80	256.30	3234.58	-39.68	-192.93	-39.68	196.97	258.38	0.34	0.00



SURVEY CALCULATION PROGRAM

5/17/17 15:20

Company:		Devon Energy Production Company, LP												
Well Name:		Chincoteague 32 State COM 005H												
Location:		Lea County, NM												
Rig:		Independence #217					Magnetic Declination:		6.74		REFERENCED TO GRID NORTH			
Job Number:		DDMO-170330												
API #:		30-025-42264												
Vertical Section Azimuth:			360.00			Proposed Direction:		360.00						
Survey Calculation Method:			Minimum Curvature											
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	15,521		85.2		358.8		10692.13		4826.22		-1127.41		4826.22	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance		Azm	DLS/ 100'	BUR/ 100'		
34	3,346	9.40	259.00	3328.25	-43.08	-208.40	-43.08	212.81	258.32	0.63	-0.42			
35	3,441	9.30	259.20	3421.99	-45.99	-223.56	-45.99	228.24	258.37	0.11	-0.11			
36	3,536	9.20	258.10	3515.75	-49.00	-238.53	-49.00	243.51	258.39	0.21	-0.11			
37	3,631	9.10	256.30	3609.54	-52.34	-253.26	-52.34	258.61	258.32	0.32	-0.11			
38	3,726	8.70	258.80	3703.40	-55.52	-267.60	-55.52	273.30	258.28	0.59	-0.42			
39	3,821	8.60	257.10	3797.32	-58.50	-281.58	-58.50	287.59	258.26	0.29	-0.11			
40	3,915	8.00	255.60	3890.33	-61.70	-294.76	-61.70	301.15	258.18	0.68	-0.64			
41	4,010	7.90	253.70	3984.42	-65.17	-307.43	-65.17	314.26	258.03	0.30	-0.11			
42	4,105	8.40	258.50	4078.46	-68.39	-320.50	-68.39	327.71	257.95	0.89	0.53			
43	4,200	8.10	258.00	4172.48	-71.16	-333.84	-71.16	341.34	257.97	0.32	-0.32			
44	4,295	7.80	255.60	4266.57	-74.16	-346.64	-74.16	354.48	257.92	0.47	-0.32			
45	4,390	8.30	256.10	4360.63	-77.41	-359.54	-77.41	367.77	257.85	0.53	0.53			
46	4,485	8.20	256.40	4454.65	-80.65	-372.78	-80.65	381.40	257.79	0.11	-0.11			
47	4,578	8.30	255.30	4546.69	-83.91	-385.72	-83.91	394.74	257.73	0.20	0.11			
48	4,673	8.30	262.20	4640.69	-86.58	-399.14	-86.58	408.42	257.76	1.05	0.00			
49	4,768	8.50	268.00	4734.68	-87.76	-412.95	-87.76	422.17	258.00	0.92	0.21			
50	4,863	8.30	267.20	4828.66	-88.34	-426.82	-88.34	435.86	258.31	0.24	-0.21			
51	4,958	8.00	268.00	4922.70	-88.90	-440.27	-88.90	449.16	258.58	0.34	-0.32			
52	5,053	7.80	267.10	5016.79	-89.46	-453.32	-89.46	462.06	258.84	0.25	-0.21			
53	5,148	7.70	265.80	5110.93	-90.25	-466.10	-90.25	474.76	259.04	0.21	-0.11			
54	5,243	7.70	264.80	5205.07	-91.30	-478.79	-91.30	487.42	259.20	0.14	0.00			
55	5,338	7.70	264.60	5299.21	-92.47	-491.46	-92.47	500.09	259.34	0.03	0.00			
56	5,433	7.40	263.60	5393.39	-93.75	-503.88	-93.75	512.53	259.46	0.34	-0.32			
57	5,528	7.00	262.90	5487.64	-95.15	-515.70	-95.15	524.41	259.55	0.43	-0.42			
58	5,623	8.40	266.90	5581.78	-96.24	-528.38	-96.24	537.07	259.68	1.58	1.47			
59	5,718	8.50	268.00	5675.75	-96.86	-542.32	-96.86	550.90	259.87	0.20	0.11			
60	5,813	8.10	266.70	5769.76	-97.49	-556.02	-97.49	564.50	260.06	0.47	-0.42			
61	5,908	7.70	266.90	5863.85	-98.22	-569.06	-98.22	577.47	260.21	0.42	-0.42			
62	6,003	7.50	266.00	5958.02	-99.00	-581.60	-99.00	589.96	260.34	0.24	-0.21			
63	6,098	7.30	265.80	6052.23	-99.87	-593.80	-99.87	602.14	260.45	0.21	-0.21			
64	6,193	8.20	265.70	6146.36	-100.82	-606.58	-100.82	614.90	260.56	0.95	0.95			
65	6,287	9.50	263.00	6239.24	-102.27	-620.96	-102.27	629.33	260.65	1.45	1.38			
66	6,382	9.00	263.60	6333.00	-104.05	-636.13	-104.05	644.58	260.71	0.54	-0.53			
67	6,477	8.60	263.20	6426.89	-105.72	-650.57	-105.72	659.10	260.77	0.43	-0.42			



SURVEY CALCULATION PROGRAM

5/17/17 15:20

Company:

Devon Energy Production Company, LP

Well Name:

Chincoteague 32 State COM 005H

Location:

Lea County, NM

Rig:

Independence #217

Magnetic Declination:

6.74

REFERENCED TO GRID NORTH

Job Number:

DDMO-170330

API #:

30-025-42264

Vertical Section Azimuth:

360.00

Proposed Direction:

360.00

Survey Calculation Method:

Minimum Curvature

PTB:

MD

INC

AZM

TVD

N/S

E/W

VS

15,521

85.2

358.8

10692.13

4826.22

-1127.41

4826.22

#

Depth

Inc

Azm

TVD

N/S

E/W

Surface

Closure

DLS/

BUR/

Feet

Degrees

Degrees

Feet

Feet

Feet

Vert Sec

Distance

Azm

100'

100'

68

6,572

8.30

263.70

6520.85

-107.32

-664.43

-107.32

673.04

260.83

0.33

-0.32

69

6,667

8.20

264.30

6614.87

-108.74

-677.99

-108.74

686.66

260.89

0.14

-0.11

70

6,762

7.70

263.60

6708.96

-110.12

-691.06

-110.12

699.78

260.95

0.54

-0.53

71

6,857

7.50

262.90

6803.12

-111.60

-703.53

-111.60

712.33

260.99

0.23

-0.21

72

6,952

7.00

262.00

6897.36

-113.17

-715.42

-113.17

724.31

261.01

0.54

-0.53

73

7,047

8.60

263.40

6991.48

-114.79

-728.21

-114.79

737.20

261.04

1.70

1.68

74

7,142

9.40

261.40

7085.31

-116.77

-742.93

-116.77

752.06

261.07

0.90

0.84

75

7,237

9.10

261.10

7179.08

-119.09

-758.03

-119.09

767.33

261.07

0.32

-0.32

76

7,332

8.00

259.50

7273.02

-121.46

-771.95

-121.46

781.45

261.06

1.18

-1.16

77

7,427

8.50

262.20

7367.04

-123.62

-785.41

-123.62

795.08

261.06

0.67

0.53

78

7,522

7.80

262.00

7461.08

-125.47

-798.75

-125.47

808.54

261.07

0.74

-0.74

79

7,616

7.80

255.60

7554.21

-127.94

-811.24

-127.94

821.27

261.04

0.92

0.00

80

7,711

8.80

256.20

7648.21

-131.28

-824.54

-131.28

834.93

260.95

1.06

1.05

81

7,806

8.10

255.50

7742.18

-134.69

-838.08

-134.69

848.83

260.87

0.74

-0.74

82

7,901

7.60

254.10

7836.29

-138.08

-850.60

-138.08

861.74

260.78

0.56

-0.53

83

7,996

8.60

255.10

7930.34

-141.63

-863.51

-141.63

875.05

260.69

1.06

1.05

84

8,091

8.30

252.80

8024.31

-145.49

-876.92

-145.49

888.91

260.58

0.48

-0.32

85

8,186

8.60

259.90

8118.28

-148.76

-890.47

-148.76

902.81

260.52

1.14

0.32

86

8,281

8.30

256.30

8212.25

-151.63

-904.12

-151.63

916.75

260.48

0.64

-0.32

87

8,376

7.50

254.20

8306.35

-154.94

-916.75

-154.94

929.75

260.41

0.90

-0.84

88

8,471

8.50

257.90

8400.42

-158.10

-929.58

-158.10

942.93

260.35

1.18

1.05

89

8,566

7.90

257.20

8494.45

-161.02

-942.81

-161.02

956.46

260.31

0.64

-0.63

90

8,661

6.90

256.20

8588.66

-163.83

-954.72

-163.83

968.67

260.26

1.06

-1.05

91

8,756

6.90

257.20

8682.97

-166.45

-965.83

-166.45

980.06

260.22

0.13

0.00

92

8,851

7.70

254.10

8777.20

-169.46

-977.51

-169.46

992.09

260.17

0.94

0.84

93

8,946

6.90

256.50

8871.43

-172.54

-989.18

-172.54

1004.12

260.11

0.90

-0.84

94

9,041

7.60

265.00

8965.67

-174.42

-1000.99

-174.42

1016.07

260.12

1.35

0.74

95

9,136

6.60

263.70

9059.94

-175.56

-1012.67

-175.56

1027.78

260.16

1.07

-1.05

96

9,231

7.70

262.50

9154.20

-176.99

-1024.41

-176.99

1039.59

260.20

1.17

1.16

97

9,326

8.60

261.60

9248.24

-178.86

-1037.75

-178.86

1053.05

260.22

0.96

0.95

98

9,420

8.40

260.00

9341.21

-181.08

-1051.46

-181.08

1066.94

260.23

0.33

-0.21

99

9,515

7.90

258.30

9435.25

-183.61

-1064.69

-183.61

1080.40

260.22

0.58

-0.53

100

9,610

7.70

255.50

9529.37

-186.53

-1077.24

-186.53

1093.27

260.18

0.45

-0.21

101

9,705

7.20

254.90

9623.57

-189.67

-1089.15

-189.67

1105.54

260.12

0.53

-0.53

Page 3



SURVEY CALCULATION PROGRAM

5/17/17 15:20

08/04/07

Company:		Devon Energy Production Company, LP									
Well Name:		Chincoteague 32 State COM 005H									
Location:		Lea County, NM									
Rig:		Independence #217				Magnetic Declination:		6.74		REFERENCED TO GRID NORTH	
Job Number:		DDMO-170330									
API #:		30-025-42264									
Vertical Section Azimuth:		360.00				Proposed Direction:		360.00			
Survey Calculation Method:		Minimum Curvature									
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	15,521	85.2	358.8	10692.13	4826.22	-1127.41	4826.22				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100'	BUR/ 100'
102	9,800	5.30	252.30	9718.00	-192.56	-1099.08	-192.56	1115.82	260.06	2.02	-2.00
103	9,894	5.10	250.00	9811.61	-195.30	-1107.14	-195.30	1124.24	260.00	0.31	-0.21
104	9,989	4.60	248.10	9906.27	-198.17	-1114.65	-198.17	1132.12	259.92	0.55	-0.53
105	10,085	3.50	245.50	10002.03	-200.82	-1120.88	-200.82	1138.73	259.84	1.16	-1.15
106	10,132	3.30	241.10	10048.95	-202.07	-1123.37	-202.07	1141.40	259.80	0.70	-0.43
107	10,179	1.60	313.70	10095.91	-202.27	-1125.03	-202.27	1143.07	259.81	6.82	-3.62
108	10,226	6.80	4.10	10142.78	-199.04	-1125.31	-199.04	1142.78	259.97	12.57	11.06
109	10,275	11.60	9.60	10191.14	-191.28	-1124.28	-191.28	1140.44	260.34	9.95	9.80
110	10,322	17.00	10.80	10236.66	-179.87	-1122.20	-179.87	1136.53	260.89	11.51	11.49
111	10,370	22.00	9.00	10281.90	-164.08	-1119.48	-164.08	1131.44	261.66	10.49	10.42
112	10,417	26.60	9.60	10324.72	-145.00	-1116.35	-145.00	1125.72	262.60	9.80	9.79
113	10,465	31.20	8.10	10366.73	-122.09	-1112.80	-122.09	1119.48	263.74	9.70	9.58
114	10,512	35.00	6.20	10406.10	-96.62	-1109.63	-96.62	1113.83	265.02	8.38	8.09
115	10,559	40.50	3.90	10443.25	-67.97	-1107.13	-67.97	1109.22	266.49	12.08	11.70
116	10,606	44.10	1.80	10478.01	-36.39	-1105.58	-36.39	1106.18	268.11	8.23	7.66
117	10,654	48.50	1.50	10511.16	-1.71	-1104.58	-1.71	1104.58	269.91	9.18	9.17
118	10,701	52.60	2.00	10541.02	34.56	-1103.47	34.56	1104.01	271.79	8.76	8.72
119	10,749	56.60	2.50	10568.82	73.65	-1101.93	73.65	1104.39	273.82	8.38	8.33
120	10,796	62.10	3.60	10592.77	114.01	-1099.77	114.01	1105.66	275.92	11.87	11.70
121	10,844	67.50	2.20	10613.20	157.37	-1097.58	157.37	1108.81	278.16	11.56	11.25
122	10,891	72.40	2.30	10629.31	201.47	-1095.85	201.47	1114.22	280.42	10.43	10.43
123	10,939	77.00	0.80	10641.97	247.74	-1094.61	247.74	1122.29	282.75	10.05	9.58
124	11,004	84.20	0.90	10652.58	311.82	-1093.65	311.82	1137.24	285.91	11.08	11.08
125	11,052	87.00	359.70	10656.27	359.67	-1093.41	359.67	1151.04	288.21	6.34	5.83
126	11,147	88.50	0.10	10659.99	454.59	-1093.57	454.59	1184.29	292.57	1.63	1.58
127	11,242	90.80	0.20	10660.58	549.58	-1093.32	549.58	1223.68	296.69	2.42	2.42
128	11,337	90.10	357.60	10659.83	644.55	-1095.15	644.55	1270.74	300.48	2.83	-0.74
129	11,432	90.80	357.40	10659.08	739.46	-1099.29	739.46	1324.85	303.93	0.77	0.74
130	11,527	91.90	358.10	10656.84	834.36	-1103.02	834.36	1383.04	307.11	1.37	1.16
131	11,623	91.00	358.00	10654.42	930.27	-1106.28	930.27	1445.43	310.06	0.94	-0.94
132	11,718	89.40	356.50	10654.08	1025.15	-1110.84	1025.15	1511.59	312.70	2.31	-1.68
133	11,812	90.50	356.90	10654.17	1119.00	-1116.25	1119.00	1580.56	315.07	1.25	1.17
134	11,907	90.70	358.30	10653.17	1213.91	-1120.23	1213.91	1651.81	317.30	1.49	0.21
135	12,002	91.60	358.80	10651.26	1308.86	-1122.63	1308.86	1724.36	319.38	1.08	0.95

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SURVEY CALCULATION PROGRAM

5/17/17 15:20

V09.04.03

Company: Devon Energy Production Company, LP
Well Name: Chincoteague 32 State COM 005H
Location: Lea County, NM
Rig: Independence #217
Job Number: DDMO-170330
API #: 30-025-42264

Magnetic Declination: 6.74

REFERENCED TO GRID NORTH



Vertical Section Azimuth: 360.00 Proposed Direction: 360.00

Survey Calculation Method: Minimum Curvature

PTB:	MD		INC		AZM	TVD	N/S	E/W		VS	
	15,521		85.2		358.8	10692.13	4826.22	-1127.41		4826.22	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
136	12,097	90.00	358.80	10649.94	1403.82	-1124.62	1403.82	1798.75	321.30	1.68	-1.68
137	12,192	92.00	359.20	10648.28	1498.79	-1126.28	1498.79	1874.80	323.08	2.15	2.11
138	12,287	90.70	358.50	10646.04	1593.74	-1128.19	1593.74	1952.64	324.71	1.55	-1.37
139	12,382	89.00	359.50	10646.29	1688.72	-1129.84	1688.72	2031.83	326.22	2.08	-1.79
140	12,477	88.20	0.20	10648.61	1783.69	-1130.09	1783.69	2111.55	327.64	1.12	-0.84
141	12,572	86.30	0.20	10653.17	1878.58	-1129.76	1878.58	2192.12	328.98	2.00	-2.00
142	12,667	86.60	0.20	10659.05	1973.39	-1129.43	1973.39	2273.74	330.22	0.32	0.32
143	12,763	87.10	0.80	10664.33	2069.24	-1128.59	2069.24	2357.01	331.39	0.81	0.52
144	12,857	87.80	0.60	10668.51	2163.14	-1127.45	2163.14	2439.33	332.47	0.77	0.74
145	12,952	88.90	0.60	10671.24	2258.10	-1126.45	2258.10	2523.47	333.49	1.16	1.16
146	13,047	89.90	1.10	10672.24	2353.08	-1125.04	2353.08	2608.20	334.45	1.18	1.05
147	13,142	90.40	0.80	10671.99	2448.07	-1123.47	2448.07	2693.55	335.35	0.61	0.53
148	13,237	89.40	0.60	10672.16	2543.06	-1122.31	2543.06	2779.70	336.19	1.07	-1.05
149	13,331	90.00	0.10	10672.65	2637.05	-1121.73	2637.05	2865.72	336.96	0.83	0.64
150	13,426	90.90	0.90	10671.90	2732.05	-1120.90	2732.05	2953.05	337.69	1.27	0.95
151	13,521	89.40	0.20	10671.65	2827.04	-1119.99	2827.04	3040.81	338.39	1.74	-1.58
152	13,616	90.50	0.60	10671.74	2922.03	-1119.33	2922.03	3129.09	339.04	1.23	1.16
153	13,711	89.00	0.80	10672.15	3017.02	-1118.17	3017.02	3217.57	339.66	1.59	-1.58
154	13,806	87.80	359.50	10674.80	3111.98	-1117.92	3111.98	3306.69	340.24	1.86	-1.26
155	13,901	88.60	0.60	10677.79	3206.93	-1117.84	3206.93	3396.17	340.78	1.43	0.84
156	13,995	89.50	359.90	10679.35	3300.92	-1117.43	3300.92	3484.92	341.30	1.21	0.96
157	14,090	90.10	0.20	10679.68	3395.92	-1117.34	3395.92	3575.01	341.79	0.71	0.63
158	14,185	90.70	0.80	10679.01	3490.91	-1116.52	3490.91	3665.11	342.26	0.89	0.63
159	14,280	91.90	1.80	10676.86	3585.86	-1114.36	3585.86	3755.02	342.74	1.64	1.26
160	14,375	91.20	1.10	10674.29	3680.79	-1111.96	3680.79	3845.08	343.19	1.04	-0.74
161	14,470	89.90	359.70	10673.38	3775.78	-1111.29	3775.78	3935.92	343.60	2.01	-1.37
162	14,565	88.90	359.50	10674.37	3870.77	-1111.96	3870.77	4027.32	343.97	1.07	-1.05
163	14,660	89.90	359.70	10675.37	3965.76	-1112.62	3965.76	4118.88	344.33	1.07	1.05
164	14,755	88.80	359.00	10676.45	4060.75	-1113.70	4060.75	4210.70	344.66	1.37	-1.16
165	14,850	89.90	358.50	10677.52	4155.72	-1115.77	4155.72	4302.90	344.97	1.27	1.16
166	14,945	88.20	358.50	10679.10	4250.67	-1118.26	4250.67	4395.30	345.26	1.79	-1.79
167	15,040	88.90	358.70	10681.50	4345.61	-1120.58	4345.61	4487.76	345.54	0.77	0.74
168	15,135	90.10	359.90	10682.33	4440.59	-1121.74	4440.59	4580.08	345.82	1.79	1.26
169	15,230	90.80	359.50	10681.58	4535.59	-1122.24	4535.59	4672.36	346.10	0.85	0.74

