

JAN 06 2020
Department

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

¹ API Number 30-015-45034		² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP	
⁴ Property Code 319502	⁵ Property Name LUSITANO 27-34 FED COM			⁶ Well Number 734H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3336.5

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	25 S	31 E		235	NORTH	1904	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
O	34	25 S	31 E		793	SOUTH	1668	EAST	EDDY

NW CORNER SEC. 27
 LAT. = 32.1085472°N
 LONG. = 103.7744766°W
 NMSP EAST (FT)
 N = 403674.44
 E = 714373.23

W/4 CORNER SEC. 27
 LAT. = 32.1012701°N
 LONG. = 103.7745461°W
 NMSP EAST (FT)
 N = 401027.04
 E = 714365.41

SW CORNER SEC. 27
 LAT. = 32.0939875°N
 LONG. = 103.7746005°W
 NMSP EAST (FT)
 N = 398377.70
 E = 714362.31

W/4 CORNER SEC. 34
 LAT. = 32.0867157°N
 LONG. = 103.7746027°W
 NMSP EAST (FT)
 N = 395732.35
 E = 714375.33

SW CORNER SEC. 34
 LAT. = 32.0794255°N
 LONG. = 103.7746047°W
 NMSP EAST (FT)
 N = 393080.31
 E = 714368.46

N/4 CORNER SEC. 27
 LAT. = 32.1085528°N
 LONG. = 103.7659126°W
 NMSP EAST (FT)
 N = 403690.32
 E = 717024.86

AS-DRILLED KOP
 128' FNL, 1658' FEL
 LAT. = 32.1082048°N
 LONG. = 103.7627003°W
 NMSP EAST (FT)
 N = 403568.97
 E = 718020.15

AS-DRILLED FIRST TAKE POINT
 337' FNL, 1650' FEL
 LAT. = 32.1070792°N
 LONG. = 103.7626819°W
 NMSP EAST (FT)
 N = 403159.54
 E = 718028.01

LUSITANO 27-34 FED COM 734H
 ELEV. = 3336.5
 LAT. = 32.1079089°N (NAD83)
 LONG. = 103.7634982°W
 NMSP EAST (FT)
 N = 403460.04
 E = 717774.28

S/4 CORNER SEC. 27
 LAT. = 32.0940045°N
 LONG. = 103.7660218°W
 NMSP EAST (FT)
 N = 396397.72
 E = 717018.91

SE CORNER SEC. 27
 LAT. = 32.0940174°N
 LONG. = 103.7574330°W
 NMSP EAST (FT)
 N = 398416.53
 E = 719678.63

E/4 CORNER SEC. 27
 LAT. = 32.1012955°N
 LONG. = 103.7573925°W
 NMSP EAST (FT)
 N = 401064.23
 E = 719677.04

AS-DRILLED LAST TAKE POINT
 839' FSL, 1668' FEL
 LAT. = 32.0817565°N
 LONG. = 103.7628221°W
 NMSP EAST (FT)
 N = 393947.38
 E = 718033.36

AS-DRILLED BOTTOM OF HOLE
 LAT. = 32.0816301°N
 LONG. = 103.7628216°W
 NMSP EAST (FT)
 N = 393901.40
 E = 718033.76

S/4 CORNER SEC. 34
 LAT. = 32.0794430°N
 LONG. = 103.7660268°W
 NMSP EAST (FT)
 N = 393100.55
 E = 717045.26

SE CORNER SEC. 34
 LAT. = 32.0794666°N
 LONG. = 103.7574361°W
 NMSP EAST (FT)
 N = 393123.21
 E = 719705.93

E/4 CORNER SEC. 34
 LAT. = 32.0867362°N
 LONG. = 103.7574361°W
 NMSP EAST (FT)
 N = 395767.78
 E = 719691.82

NOTE:
 LATITUDE AND LONGITUDE COORDINATES ARE SHOWN
 USING THE NORTH AMERICAN DATUM OF 1983
 (NAD83) LISTED NEW MEXICO STATE PLANE EAST
 COORDINATES ARE GRID (NAD83). BASIS OF BEARING
 AND DISTANCES USED ARE NEW MEXICO STATE PLANE
 EAST COORDINATES MODIFIED TO THE SURFACE.
 VERTICAL DATUM NAVD83.

Signature and Seal of Professional Surveyor:
 Certificate Number: FIELD NO. 6437A, ILLINOIS 12797
 SURVEYOR NO. 6437A

See Revised News
~~NSP Required~~
GAS ~~well~~ SPACING

RECEIVED

JAN 06 2020

Intent ☐ As Drilled ☒ X

DISTRICT 7 - ARTESIA O.C.D.

API # 30-015-45030	Operator Name: DEVON	Property Name: LUSITANO 27-34 FED COM	Well Number 734H
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Kick Off Point (KOP)

UL B	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	27	25S	31E		128	NORTH	1658	EAST	EDDY
Latitude 32.1082048					Longitude 103.7627003				NAD 83

First Take Point (FTP)

UL B	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	27	25S	31E		537	NORTH	1650	EAST	EDDY
Latitude 32.1070792					Longitude 103.7626819				NAD 83

Last Take Point (LTP)

UL O	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	34	25S	31E		839	SOUTH	1669	EAST	EDDY
Latitude 32.0817565					Longitude 103.7628221				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

NO

Is this well an infill well?

YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #	Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Total Directional
Services, LLC

USA Operations

Final MWD Survey Certification

Eddy County, New Mexico

Client: Devon Energy

Well Name: Lusitano 27-34 Fed Com 734H

Total Job No: 2019-251-103

API No: 30-015-45636

Start Date: 4/7/2019

End Date: 5/28/2019

Measured Start Depth: 170 feet

Measured End Depth with PTB: 21,348 feet

I, Blair Kenzle, & Mike Smitham, MWD Operators, 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: 5/28/2019

Signed: Blair Kenzle, Mike Smitham

svy	depth	inc	azm	tvd	ns	ew	vs	dls
Tiein	0	0	0	0	0	0	0	0
1	170	0.8	31.2	169.99	1.02	0.61	-1.01	0.47
2	272	0.7	22.7	271.99	2.2	1.22	-2.2	0.15
3	364	0.4	311.5	363.98	2.93	1.2	-2.93	0.74
4	456	0.7	298	455.98	3.41	0.46	-3.41	0.35
5	547	0.7	278.1	546.97	3.75	-0.58	-3.75	0.27
6	640	0.5	260.5	639.97	3.76	-1.54	-3.76	0.29
7	731	0.5	247	730.96	3.54	-2.3	-3.54	0.13
8	822	0.3	197.8	821.96	3.16	-2.74	-3.16	0.42
9	976	0.6	216.8	975.96	2.13	-3.34	-2.14	0.21
10	1069	1.3	219.4	1068.94	0.92	-4.3	-0.93	0.75
11	1161	1.8	226	1160.91	-0.89	-6	0.87	0.58
12	1252	0.4	199.2	1251.89	-2.18	-7.14	2.16	1.6
13	1342	0.8	59.8	1341.89	-2.16	-6.7	2.14	1.26
14	1433	1.1	57.2	1432.87	-1.37	-5.41	1.35	0.33
15	1524	1.2	52.7	1523.86	-0.32	-3.92	0.31	0.15
16	1615	1.3	56.9	1614.83	0.82	-2.3	-0.83	0.15
17	1739	0.5	13.4	1738.82	2.12	-1	-2.12	0.81
18	1833	0.5	346	1832.82	2.91	-1	-2.92	0.25
19	1927	0.3	336.3	1926.81	3.54	-1.2	-3.54	0.22
20	2021	0.2	303.6	2020.81	3.85	-1.43	-3.86	0.18
21	2115	0.2	287.6	2114.81	3.99	-1.73	-4	0.06
22	2209	0.4	262.6	2208.81	4	-2.21	-4.01	0.25
23	2303	0.5	288	2302.81	4.09	-2.92	-4.09	0.23
24	2398	0.9	304.8	2397.8	4.64	-3.93	-4.65	0.47
25	2492	1	309.4	2491.79	5.58	-5.17	-5.6	0.13
26	2586	0.9	358.4	2585.78	6.84	-5.83	-6.86	0.84
27	2681	1	17.7	2680.76	8.38	-5.59	-8.39	0.35
28	2775	1.1	45.4	2774.75	9.79	-4.7	-9.8	0.54
29	2870	1.6	76.7	2869.72	10.74	-2.76	-10.74	0.92
30	2964	3	89	2963.65	11.08	0.97	-11.08	1.57
31	3059	4	75	3058.47	11.98	6.66	-11.96	1.38
32	3153	4.8	60.2	3152.19	14.79	13.24	-14.75	1.47
33	3247	5.2	56.3	3245.84	19.1	20.2	-19.05	0.56
34	3341	4.9	53	3339.47	23.88	26.95	-23.81	0.44
35	3435	5.4	60	3433.09	28.51	33.98	-28.42	0.85
36	3529	5.5	67.2	3526.67	32.47	41.97	-32.36	0.73

37	3623	4.9	68.6	3620.28	35.68	49.86	-35.55	0.65
38	3717	5.7	66.7	3713.88	38.99	57.88	-38.84	0.87
39	3811	6.5	74.6	3807.35	42.25	67.3	-42.07	1.23
40	3905	6.9	83.4	3900.71	44.31	78.04	-44.11	1.17
41	3999	7.3	89.6	3993.99	45	89.62	-44.77	0.92
42	4093	6.2	90.4	4087.34	45.01	100.67	-44.74	1.17
43	4187	5.1	74.9	4180.88	46.06	109.78	-45.77	1.99
44	4281	4.7	61.2	4274.54	49	117.19	-48.7	1.31
45	4375	4.8	46.4	4368.22	53.57	123.41	-53.25	1.3
46	4469	4.9	44.1	4461.89	59.17	129.05	-58.83	0.23
47	4563	4.8	43	4555.55	64.93	134.53	-64.57	0.15
48	4657	4.5	41	4649.24	70.59	139.63	-70.22	0.36
49	4752	4.2	45.4	4743.97	75.84	144.55	-75.46	0.47
50	4846	4.7	44.9	4837.68	80.99	149.72	-80.59	0.53
51	4940	5.1	47.3	4931.34	86.55	155.51	-86.14	0.48
52	5034	6	54.7	5024.9	92.22	162.59	-91.79	1.22
53	5128	5.9	52.2	5118.39	98.02	170.42	-97.57	0.3
54	5222	6.2	59.9	5211.87	103.53	178.63	-103.06	0.92
55	5316	5.4	57.3	5305.39	108.46	186.74	-107.97	0.9
56	5410	5.4	57.2	5398.97	113.25	194.18	-112.74	0.01
57	5505	5	58.8	5493.58	117.81	201.48	-117.29	0.45
58	5599	4.9	58.6	5587.23	122.03	208.41	-121.48	0.11
59	5692	4.9	58	5679.89	126.2	215.17	-125.64	0.06
60	5787	4.7	55.8	5774.56	130.54	221.83	-129.96	0.29
61	5881	4.5	55.2	5868.25	134.81	228.04	-134.21	0.22
62	5975	3.7	64	5962.01	138.24	233.8	-137.63	1.08
63	6069	3.5	64	6055.83	140.83	239.1	-140.2	0.21
64	6163	3.2	62.9	6149.67	143.28	244.02	-142.64	0.33
65	6258	2	53	6244.57	145.49	247.7	-144.84	1.34
66	6352	1.6	36.1	6338.52	147.54	249.78	-146.88	0.7
67	6445	1.1	34.8	6431.5	149.32	251.06	-148.66	0.54
68	6539	0.8	80.2	6525.49	150.17	252.22	-149.51	0.83
69	6633	0.7	91.2	6619.48	150.27	253.44	-149.61	0.19
70	6727	0.6	109.2	6713.47	150.1	254.48	-149.43	0.24
71	6821	0.5	106	6807.47	149.82	255.34	-149.15	0.11
72	6915	0.4	109.9	6901.46	149.6	256.04	-148.93	0.11
73	7009	0.7	79.9	6995.46	149.59	256.91	-148.91	0.43
74	7103	0.7	136	7089.45	149.27	257.88	-148.6	0.7

75	7197	0.6	157.6	7183.45	148.41	258.47	-147.73	0.28
76	7291	0.7	153.9	7277.44	147.44	258.91	-146.76	0.12
77	7386	0.7	146.8	7372.43	146.43	259.48	-145.75	0.09
78	7479	0.7	143.4	7465.43	145.5	260.13	-144.82	0.04
79	7573	0.6	142.8	7559.42	144.64	260.77	-143.96	0.11
80	7667	0.3	147.8	7653.42	144.04	261.2	-143.36	0.32
81	7761	0.3	153.5	7747.42	143.62	261.44	-142.93	0.03
82	7856	0.4	164.3	7842.42	143.07	261.64	-142.39	0.13
83	7949	0.5	165.3	7935.41	142.37	261.83	-141.68	0.11
84	8043	0.6	170.2	8029.41	141.49	262.02	-140.8	0.12
85	8138	0.6	165.1	8124.4	140.52	262.23	-139.83	0.06
86	8232	0.8	179.2	8218.4	139.38	262.37	-138.7	0.28
87	8325	0.5	170.8	8311.39	138.33	262.44	-137.65	0.34
88	8419	0.5	176.3	8405.39	137.52	262.53	-136.83	0.05
89	8514	0.4	172.3	8500.38	136.78	262.6	-136.09	0.11
90	8607	0.4	250.7	8593.38	136.35	262.34	-135.66	0.54
91	8702	1	253.6	8688.37	136.01	261.23	-135.32	0.63
92	8796	1.5	263.8	8782.35	135.64	259.22	-134.96	0.58
93	8890	0.3	211.5	8876.34	135.3	257.87	-134.62	1.42
94	8984	0.3	249	8970.34	135	257.51	-134.33	0.21
95	9078	0.8	293.9	9064.33	135.18	256.68	-134.51	0.66
96	9172	0.8	321.1	9158.33	135.95	255.67	-135.28	0.4
97	9266	1.2	328	9252.31	137.3	254.74	-136.63	0.44
98	9361	1.4	324.3	9347.29	139.09	253.53	-138.42	0.23
99	9454	0.2	329.7	9440.28	140.15	252.79	-139.49	1.29
100	9549	0.1	153.5	9535.28	140.22	252.74	-139.56	0.32
101	9643	0.3	322.8	9629.28	140.34	252.63	-139.68	0.42
102	9737	0.7	240.9	9723.27	140.26	251.98	-139.6	0.77
103	9831	1.1	214.2	9817.26	139.23	250.97	-138.57	0.61
104	9925	1.5	203.5	9911.24	137.36	249.97	-136.7	0.5
105	10019	1.1	201.3	10005.21	135.39	249.15	-134.74	0.43
106	10113	1.1	199.2	10099.19	133.7	248.53	-133.04	0.04
107	10207	1.3	192.5	10193.17	131.8	248	-131.15	0.26
108	10301	1.4	177.7	10287.15	129.61	247.82	-128.96	0.38
109	10395	1.5	179.8	10381.12	127.24	247.87	-126.59	0.12
110	10489	1.4	168.8	10475.09	124.88	248.09	-124.23	0.31
111	10583	1.5	162	10569.06	122.58	248.7	-121.93	0.21
112	10677	1.7	162.8	10663.02	120.08	249.49	-119.43	0.21

113	10771	1.3	186	10756.99	117.69	249.79	-117.03	0.77
114	10865	1.1	189	10850.97	115.74	249.54	-115.08	0.22
115	10959	0.8	198.1	10944.96	114.22	249.19	-113.57	0.36
116	11053	0.9	211.9	11038.95	112.97	248.6	-112.32	0.24
117	11147	0.9	212.3	11132.93	111.72	247.81	-111.07	0.01
118	11241	1	215.9	11226.92	110.43	246.94	-109.79	0.12
119	11283	1	217.8	11268.92	109.85	246.5	-109.2	0.08
120	11387	1.3	210.5	11372.89	108.11	245.34	-107.47	0.32
121	11481	9.1	168.7	11466.45	99.89	246.26	-99.25	8.7
122	11513	14.2	169	11497.78	93.55	247.51	-92.9	15.94
123	11544	17.5	169.6	11527.6	85.23	249.07	-84.58	10.66
124	11575	21.6	173.9	11556.81	74.97	250.52	-74.31	14.01
125	11622	27	174.9	11599.63	55.73	252.39	-55.07	11.52
126	11669	33.5	178.2	11640.21	32.11	253.75	-31.44	14.27
127	11716	40.3	178.6	11677.77	3.92	254.53	-3.25	14.48
128	11763	47.7	178.5	11711.56	-28.7	255.36	29.37	15.75
129	11810	54.6	177.9	11741.02	-65.26	256.51	65.93	14.71
130	11857	58	180.5	11767.1	-104.35	257.04	105.02	8.57
131	11888	59.1	179.6	11783.27	-130.79	257.02	131.47	4.33
132	11919	62.1	179.9	11798.49	-157.8	257.14	158.47	9.71
133	11950	65	182.1	11812.3	-185.54	256.65	186.21	11.31
134	11982	65.5	181.9	11825.69	-214.59	255.63	215.25	1.66
135	12013	66.9	181.1	11838.2	-242.94	254.89	243.61	5.1
136	12044	68.1	180.8	11850.07	-271.57	254.42	272.24	3.97
137	12075	70.5	181.7	11861.02	-300.56	253.78	301.23	8.2
138	12107	72.9	181.3	11871.07	-330.93	252.99	331.59	7.59
139	12138	77.1	181.7	11879.09	-360.86	252.2	361.52	13.61
140	12170	82.2	182.4	11884.84	-392.31	251.08	392.96	16.08
141	12232	88.3	182	11889.97	-454.02	248.71	454.67	9.86
142	12326	91.3	184.4	11890.3	-547.86	243.46	548.49	4.09
143	12420	90.1	180.5	11889.15	-641.74	239.44	642.37	4.34
144	12515	89.2	179.3	11889.73	-736.74	239.61	737.36	1.58
145	12609	87.8	177.8	11892.19	-830.67	241.99	831.3	2.18
146	12703	89.4	178	11894.49	-924.58	245.43	925.22	1.72
147	12798	91.4	177.6	11893.82	-1019.5	249.08	1020.15	2.15
148	12892	91.6	177.8	11891.36	-1113.39	252.85	1114.05	0.3
149	12986	91.3	177.4	11888.98	-1207.28	256.78	1207.95	0.53
150	13079	90.8	176.3	11887.28	-1300.12	261.89	1300.8	1.3

151	13173	89.7	175.4	11886.87	-1393.87	268.69	1394.57	1.51
152	13267	90.7	177.8	11886.54	-1487.7	274.27	1488.41	2.77
153	13361	89.8	177.3	11886.13	-1581.61	278.29	1582.33	1.1
154	13455	91.2	177.7	11885.31	-1675.51	282.39	1676.25	1.55
155	13549	92.8	179	11882.03	-1769.41	285.09	1770.15	2.19
156	13643	92.8	178.8	11877.44	-1863.28	286.89	1864.03	0.21
157	13737	93	179.8	11872.68	-1957.15	288.04	1957.9	1.08
158	13831	91.1	180.8	11869.32	-2051.09	287.55	2051.83	2.28
159	13925	90.6	180.1	11867.93	-2145.07	286.81	2145.82	0.92
160	14019	89.8	179.7	11867.6	-2239.07	286.97	2239.81	0.95
161	14113	88.5	179.7	11868.99	-2333.06	287.47	2333.8	1.38
162	14207	90	179.6	11870.22	-2427.04	288.04	2427.79	1.6
163	14301	89.6	178.9	11870.55	-2521.04	289.27	2521.78	0.86
164	14395	88.7	178.5	11871.95	-2615	291.4	2615.75	1.05
165	14489	91	180.2	11872.19	-2708.98	292.47	2709.74	3.04
166	14583	91.4	179.8	11870.22	-2802.96	292.47	2803.72	0.6
167	14677	91.4	179.7	11867.93	-2896.93	292.88	2897.69	0.11
168	14771	90	178.3	11866.78	-2990.91	294.52	2991.67	2.11
169	14865	92	181.3	11865.14	-3084.88	294.85	3085.64	3.84
170	14959	92.3	180.8	11861.61	-3178.79	293.13	3179.55	0.62
171	15053	89.8	180.3	11859.89	-3272.77	292.23	3273.52	2.71
172	15147	88.5	179.8	11861.28	-3366.75	292.14	3367.51	1.48
173	15241	88.2	178.6	11863.99	-3460.7	293.46	3461.46	1.32
174	15335	86.1	177.5	11868.66	-3554.53	296.65	3555.29	2.52
175	15429	88	177.9	11873.5	-3648.32	300.42	3649.1	2.07
176	15522	89.1	178	11875.85	-3741.23	303.74	3742.01	1.19
177	15616	88.7	177.8	11877.66	-3835.15	307.19	3835.94	0.48
178	15738	89.8	177.8	11879.26	-3957.05	311.87	3957.85	0.9
179	15831	89.9	179.1	11879.5	-4050.01	314.38	4050.82	1.4
180	15927	89.4	178.6	11880.09	-4145.99	316.31	4146.8	0.74
181	16021	91.8	178.1	11879.1	-4239.94	319.02	4240.76	2.61
182	16115	92.7	179.4	11875.41	-4333.84	321.07	4334.67	1.68
183	16208	92.9	182.4	11870.87	-4426.71	319.61	4427.53	3.23
184	16302	91.5	183.4	11867.26	-4520.52	314.85	4521.32	1.83
185	16396	91.9	182.6	11864.47	-4614.34	309.94	4615.14	0.95
186	16490	91.8	180.4	11861.43	-4708.26	307.48	4709.05	2.34
187	16585	92.3	179.9	11858.04	-4803.2	307.23	4803.98	0.74
188	16678	91.2	180.2	11855.2	-4896.15	307.15	4896.94	1.23

189	16772	90.6	180.1	11853.72	-4990.14	306.9	4990.92	0.65
190	16866	88.7	179.7	11854.29	-5084.13	307.07	5084.92	2.07
191	16960	87.1	178.2	11857.74	-5178.05	308.79	5178.84	2.33
192	17054	94.5	182.8	11856.43	-5271.94	307.97	5272.73	9.27
193	17149	94	182.3	11849.39	-5366.59	303.76	5367.36	0.74
194	17242	92	182.6	11844.52	-5459.37	299.79	5460.14	2.17
195	17336	90.1	182.8	11842.8	-5553.25	295.36	5554	2.03
196	17430	89.8	182.6	11842.88	-5647.14	290.93	5647.88	0.38
197	17524	90	182.6	11843.04	-5741.04	286.67	5741.78	0.21
198	17617	89.5	182.1	11843.45	-5833.97	282.85	5834.69	0.76
199	17711	87.7	183	11845.74	-5927.84	278.67	5928.55	2.14
200	17805	90.4	181.7	11847.3	-6021.74	274.82	6022.44	3.19
201	17899	89.9	180.6	11847.06	-6115.72	272.93	6116.41	1.29
202	17993	87.2	179	11849.44	-6209.67	273.26	6210.37	3.34
203	18087	86.3	178.7	11854.76	-6303.5	275.14	6304.2	1.01
204	18181	89.3	179.3	11858.37	-6397.41	276.78	6398.11	3.25
205	18276	90.3	179.6	11858.7	-6492.4	277.69	6493.11	1.1
206	18370	90.4	179.2	11858.13	-6586.39	278.68	6587.1	0.44
207	18465	90.1	178.8	11857.72	-6681.38	280.34	6682.09	0.53
208	18560	91.6	180.5	11856.31	-6776.36	280.92	6777.07	2.39
209	18653	89.6	179.3	11855.33	-6869.35	281.08	6870.06	2.51
210	18749	89.8	179.5	11855.84	-6965.34	282.08	6966.06	0.29
211	18843	94.1	181.2	11852.64	-7059.26	281.51	7059.97	4.92
212	18938	94.9	182.2	11845.18	-7153.92	278.7	7154.63	1.35
213	19033	94.1	183.8	11837.73	-7248.5	273.75	7249.19	1.88
214	19127	92.8	184.2	11832.07	-7342.1	267.2	7342.77	1.45
215	19222	90.6	182.5	11829.25	-7436.88	261.65	7437.54	2.93
216	19316	90.2	181.6	11828.6	-7530.82	258.29	7531.47	1.05
217	19411	90.3	181.6	11828.18	-7625.78	255.64	7626.42	0.11
218	19505	92.5	182.5	11825.89	-7719.69	252.28	7720.32	2.53
219	19599	90.7	181.2	11823.26	-7813.59	249.25	7814.22	2.36
220	19693	91.7	182.1	11821.29	-7907.53	246.54	7908.15	1.43
221	19788	91.9	182.3	11818.31	-8002.42	242.89	8003.02	0.3
222	19882	91.3	182.4	11815.69	-8096.3	239.04	8096.9	0.65
223	19976	91.3	182.5	11813.55	-8190.19	235.02	8190.78	0.11
224	20071	90.9	180.9	11811.73	-8285.13	232.21	8285.71	1.74
225	20165	91.5	181.5	11809.76	-8379.08	230.24	8379.66	0.9
226	20259	92.5	180.1	11806.48	-8473.01	228.93	8473.59	1.83

227	20352	94	180	11801.21	-8565.86	228.85	8566.43	1.62
228	20446	94.4	179.5	11794.32	-8659.61	229.25	8660.18	0.68
229	20540	90.7	178.1	11790.14	-8753.48	231.22	8754.05	4.21
230	20634	91	178	11788.75	-8847.41	234.42	8847.99	0.34
231	20729	89.7	176.3	11788.17	-8942.29	239.14	8942.88	2.25
232	20823	88.2	176.5	11789.89	-9036.08	245.05	9036.69	1.61
233	20919	88.3	177.1	11792.82	-9131.89	250.4	9132.51	0.63
234	21012	90.2	178.4	11794.04	-9224.8	254.05	9225.44	2.48
235	21106	89.9	178.7	11793.96	-9318.77	256.43	9319.41	0.45
236	21200	89.1	179.3	11794.78	-9412.75	258.07	9413.4	1.06
237	21294	90.9	179.5	11794.78	-9506.74	259.06	9507.39	1.93
PTB	21348	90.9	179.5	11793.93	-9560.73	259.53	9561.38	0