

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

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46480	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 326329	⁵ Property Name BOROS FEDERAL	⁶ Well Number 204H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3215'

¹⁰Surface Location

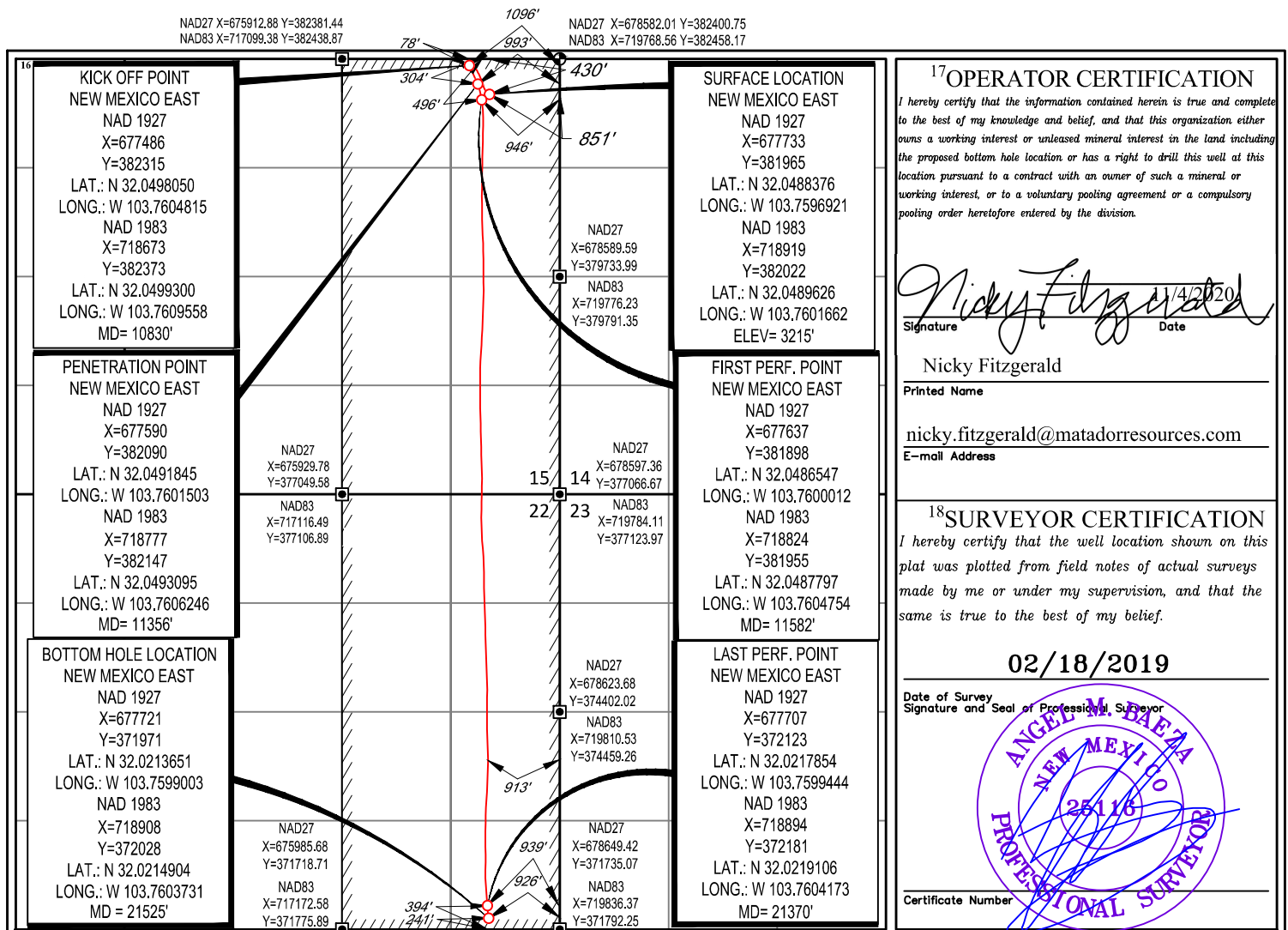
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	26-S	31-E	-	430'	NORTH	851'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	26-S	31-E	-	241'	SOUTH	926'	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

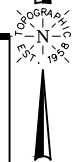


SCALE: 1" = 2000'

0' 1000' 2000'



SECTION 15, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



KICK OFF POINT
NEW MEXICO EAST
NAD 1927
X=677486
Y=382315
LAT.: N 32.0498050
LONG.: W 103.7604815
NAD 1983
X=718673
Y=382373
LAT.: N 32.0499300
LONG.: W 103.7609558
MD= 10830'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

2" IRON PIPE
FOUND

SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
X=677733
Y=381965
LAT.: N 32.0488376
LONG.: W 103.7596921
NAD 1983
X=718919
Y=382022
LAT.: N 32.0489626
LONG.: W 103.7601662
ELEV= 3215'

PENETRATION POINT
NEW MEXICO EAST
NAD 1927
X=677590
Y=382090
LAT.: N 32.0491845
LONG.: W 103.7601503
NAD 1983
X=718777
Y=382147
LAT.: N 32.0493095
LONG.: W 103.7606246
MD= 11356'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FIRST PERF. POINT
NEW MEXICO EAST
NAD 1927
X=677637
Y=381898
LAT.: N 32.0486547
LONG.: W 103.7600012
NAD 1983
X=718824
Y=381955
LAT.: N 32.0487797
LONG.: W 103.7604754
MD= 11582'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

LAST PERF. POINT
NEW MEXICO EAST
NAD 1927
X=677707
Y=372123
LAT.: N 32.0217854
LONG.: W 103.7599444
NAD 1983
X=718894
Y=372181
LAT.: N 32.0219106
LONG.: W 103.7604173
MD= 21370'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
X=677721
Y=371971
LAT.: N 32.0213651
LONG.: W 103.7599003
NAD 1983
X=718908
Y=372028
LAT.: N 32.0214904
LONG.: W 103.7603731
MD= 21525'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

FND. BRASS CAP,
U.S. G.L.O. SUR.
1940

LEASE NAME & WELL NO.: BOROS FEDERAL 204H

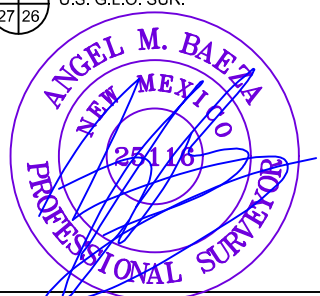
SECTION 15 TWP 26-S RGE 31-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 430' FNL & 851' FEL



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Angel M. Baeza, P.S. No. 25116
October 13, 2020

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

BOROS FEDERAL 204H AS-DRILLED	REVISION:
DATE: 10/13/2020	
AD_BOROS_FEDERAL_204H	
DRAWN BY: IMU	
SHEET: 2 OF 2	



MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

State Of New Mexico
County Of Eddy

I, Bill Johnson certify that; I am employed by Gordon Technologies, LLC.;
that I did on the day(s) of January 1, 2020 through April 4, 2020 conduct
or supervise the taking of a MWD survey from a depth of 0 feet to a depth of
21,525 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;
that this survey was conducted at the request of Matador Production Co. for the
Boros Federal 204H Well, A.P.I. No. 30-015-46480 in
Upper Wolfcamp Field and that I have reviewed this report and find that
it conforms to the principles and procedures set forth by Gordon Technologies, LLC.

Signature

MWD Coordinator
Title



Directional Survey Report

Company: **Matador Production Company**
 Well: **Boros Federal 204H**
 County: **Eddy**
 State: **New Mexico**
 Field: **Upper WolfCamp**
 API: **30-015-46480**
 Rig: **Patterson 256**
 Service Co: **GTMWD**
 Job #: **GT191295**
 Survey Calc: **Minimum Curvature**

Well Surface Location
 Latitude: **32.0488388**
 Longitude: **-103.7596912**
 Reference: **NAD 1927**
 Y (Northing): **381965**
 X (Easting): **677733**
 Field Engr: **Ozzy Silva**
Jonathan Clark

Report Date: **Apr 14 2020**
 Time: **13:04**
 Mag Reference: **Grid North**
 Mag Correction: **6.30**
 Vert Sect. Azi: **179.62**
 Perm Datum: **Mean Sea Level**
 Depth Ref: **Rotary Table**
 RKB Height: **28.5**
 GL Elev: **3215**

Survey	MD	Inc	Azimuth	TVD	VS	Rectangular Offsets		Course		Temp	Closure		Source
						NS	EW	Length	DLS		Distance	Azimuth	
Tie In	0	0	0	0	0	0	0	0	0	0	0	0	
1	182.00	0.30	173.95	182.00	0.47	-0.47	0.05	182.00	0.16	62.60	0.48	173.95	Run 1
2	243.00	0.29	184.99	243.00	0.79	-0.79	0.05	61.00	0.09	62.60	0.79	176.10	Run 1
3	336.00	0.36	196.80	336.00	1.30	-1.30	-0.05	93.00	0.10	64.40	1.30	182.26	Run 1
4	428.00	0.43	214.92	427.99	1.86	-1.86	-0.33	92.00	0.15	64.40	1.89	190.13	Run 1
5	520.00	0.46	209.41	519.99	2.46	-2.47	-0.71	92.00	0.06	64.40	2.57	196.10	Run 1
6	610.00	0.30	237.94	609.99	2.90	-2.90	-1.09	90.00	0.27	64.40	3.10	200.54	Run 1
7	701.00	0.66	242.87	700.99	3.26	-3.27	-1.76	91.00	0.40	66.20	3.71	208.25	Run 1
8	793.00	0.91	244.93	792.98	3.80	-3.82	-2.89	92.00	0.27	64.40	4.79	217.10	Run 1
9	884.00	1.05	258.27	883.96	4.27	-4.30	-4.36	91.00	0.29	66.20	6.12	225.42	Run 1
10	975.00	1.23	258.86	974.95	4.61	-4.66	-6.14	91.00	0.20	66.20	7.70	232.81	Run 1
11	1066.00	1.10	275.26	1065.93	4.71	-4.76	-7.96	91.00	0.39	68.00	9.28	239.11	Run 1
12	1162.00	1.45	263.23	1161.90	4.76	-4.82	-10.09	96.00	0.46	69.80	11.18	244.45	Run 1
13	1257.00	0.94	277.01	1256.88	4.79	-4.87	-12.05	95.00	0.61	69.80	13.00	248.00	Run 1
14	1352.00	0.93	291.99	1351.87	4.40	-4.49	-13.54	95.00	0.26	69.80	14.27	251.67	Run 1
15	1419.00	1.09	293.20	1418.86	3.93	-4.03	-14.63	67.00	0.24	82.40	15.18	254.60	Run 1
16	1510.00	1.22	320.58	1509.84	2.84	-2.94	-16.04	91.00	0.62	82.40	16.31	259.61	Run 2
17	1606.00	1.38	333.72	1605.82	1.00	-1.12	-17.20	96.00	0.35	87.80	17.24	266.29	Run 2
18	1701.00	3.40	334.22	1700.73	-2.57	2.45	-18.94	95.00	2.13	93.20	19.09	277.36	Run 2
19	1796.00	4.18	335.36	1795.52	-8.27	8.13	-21.60	95.00	0.82	96.80	23.08	290.62	Run 2
20	1891.00	4.04	330.70	1890.28	-14.36	14.20	-24.69	95.00	0.38	100.40	28.48	299.90	Run 2
21	1986.00	4.00	329.07	1985.04	-20.14	19.96	-28.03	95.00	0.13	98.60	34.41	305.45	Run 2
22	2080.00	3.77	325.68	2078.83	-25.53	25.32	-31.45	94.00	0.35	102.20	40.38	308.83	Run 2
23	2174.00	3.70	325.37	2172.63	-30.60	30.37	-34.92	94.00	0.08	105.80	46.28	311.01	Run 2
24	2269.00	3.91	330.76	2267.42	-35.97	35.72	-38.24	95.00	0.44	111.20	52.33	313.04	Run 2
25	2363.00	4.04	325.32	2361.19	-41.51	41.24	-41.69	94.00	0.42	114.80	58.64	314.68	Run 2
26	2458.00	3.73	321.11	2455.98	-46.70	46.39	-45.54	95.00	0.44	113.00	65.01	315.53	Run 2
27	2553.00	3.39	322.87	2550.79	-51.36	51.04	-49.17	95.00	0.38	114.80	70.87	316.07	Run 2
28	2647.00	3.02	325.99	2644.65	-55.65	55.31	-52.24	94.00	0.44	120.20	76.08	316.64	Run 2
29	2742.00	2.55	325.49	2739.53	-59.49	59.12	-54.83	95.00	0.50	118.40	80.64	317.16	Run 2
30	2836.00	2.16	324.95	2833.45	-62.67	62.30	-57.04	94.00	0.42	122.00	84.46	317.52	Run 2
31	2931.00	2.84	327.93	2928.36	-66.15	65.76	-59.31	95.00	0.73	123.80	88.56	317.95	Run 2
32	3026.00	3.39	333.21	3023.22	-70.67	70.26	-61.83	95.00	0.65	123.80	93.59	318.65	Run 2
33	3121.00	2.87	340.46	3118.08	-75.43	75.01	-63.89	95.00	0.69	127.40	98.53	319.58	Run 2
34	3216.00	4.44	340.50	3212.88	-81.15	80.72	-65.91	95.00	1.65	123.80	104.21	320.76	Run 2
35	3310.00	5.28	339.29	3306.55	-88.64	88.19	-68.66	94.00	0.90	125.60	111.77	322.10	Run 2
36	3405.00	4.54	339.99	3401.20	-96.28	95.81	-71.49	95.00	0.78	127.40	119.54	323.27	Run 2
37	3500.00	3.53	342.56	3495.96	-102.62	102.14	-73.65	95.00	1.08	127.40	125.92	324.20	Run 2
38	3594.00	4.42	344.79	3589.73	-108.89	108.39	-75.47	94.00	0.96	127.40	132.08	325.15	Run 2
39	3689.00	4.97	343.90	3684.41	-116.39	115.88	-77.57	95.00	0.58	129.20	139.45	326.20	Run 2
40	3784.00	3.63	349.08	3779.14	-123.31	122.79	-79.28	95.00	1.47	129.20	146.16	327.15	Run 2
41	3879.00	2.71	354.82	3874.00	-128.50	127.98	-80.06	95.00	1.02	127.40	150.95	327.97	Run 2
42	3975.00	2.79	348.99	3969.89	-133.06	132.53	-80.71	96.00	0.30	132.80	155.17	328.66	Run 2
43	4069.00	2.43	346.58	4063.79	-137.25	136.71	-81.61	94.00	0.40	134.60	159.22	329.17	Run 2
44	4133.00	2.16	345.79	4127.74	-139.75	139.20	-82.22	64.00	0.43	134.60	161.67	329.43	Run 2
45	4262.00	1.90	338.09	4256.66	-144.10	143.54	-83.61	129.00	0.29	96.80	166.12	329.78	Run 3
46	4356.00	5.55	335.22	4350.44	-149.69	149.12	-86.10	94.00	3.89	100.40	172.19	330.00	Run 3
47	4451.00	5.87	336.55	4444.97	-158.34	157.75	-89.96	95.00	0.36	102.20	181.59	330.30	Run 3
48	4546.00	5.84	336.70	4539.48	-167.26	166.64	-93.80	95.00	0.04	104.00	191.23	330.62	Run 3

49	4641.00	5.95	338.37	4633.97	-176.30	175.66	-97.53	95.00	0.21	105.80	200.92	330.96	Run 3
50	4736.00	5.73	336.60	4728.48	-185.25	184.59	-101.23	95.00	0.30	109.40	210.52	331.26	Run 3
51	4831.00	5.70	337.66	4823.01	-193.99	193.30	-104.91	95.00	0.12	111.20	219.93	331.51	Run 3
52	4925.00	5.75	337.45	4916.54	-202.68	201.97	-108.49	94.00	0.06	111.20	229.26	331.76	Run 3
53	5020.00	5.60	334.90	5011.07	-211.30	210.56	-112.28	95.00	0.31	113.00	238.63	331.93	Run 3
54	5115.00	5.24	333.18	5105.65	-219.40	218.63	-116.20	95.00	0.42	114.80	247.59	332.01	Run 3
55	5210.00	5.16	333.87	5200.26	-227.13	226.34	-120.04	95.00	0.11	116.60	256.20	332.06	Run 3
56	5305.00	5.17	335.55	5294.87	-234.89	234.07	-123.69	95.00	0.16	116.60	264.74	332.15	Run 3
57	5400.00	5.20	333.24	5389.48	-242.65	241.81	-127.40	95.00	0.22	118.40	273.32	332.22	Run 3
58	5495.00	5.21	332.80	5484.09	-250.36	249.49	-131.31	95.00	0.04	120.20	281.94	332.24	Run 3
59	5590.00	4.98	331.88	5578.72	-257.86	256.96	-135.23	95.00	0.26	120.20	290.37	332.24	Run 3
60	5685.00	5.10	335.01	5673.35	-265.34	264.43	-138.95	95.00	0.32	122.00	298.71	332.28	Run 3
61	5780.00	4.97	332.69	5767.98	-272.85	271.91	-142.63	95.00	0.25	120.20	307.05	332.32	Run 3
62	5875.00	4.78	329.06	5862.64	-279.93	278.96	-146.55	95.00	0.38	120.20	315.11	332.29	Run 3
63	5970.00	4.59	328.80	5957.32	-286.60	285.61	-150.55	95.00	0.20	120.20	322.86	332.20	Run 3
64	6065.00	4.63	327.48	6052.01	-293.11	292.09	-154.58	95.00	0.12	120.20	330.48	332.11	Run 3
65	6161.00	4.31	329.46	6147.72	-299.51	298.47	-158.50	96.00	0.37	120.20	337.94	332.03	Run 3
66	6256.00	4.30	327.67	6242.45	-305.62	304.55	-162.22	95.00	0.14	118.40	345.06	331.96	Run 3
67	6350.00	4.45	323.96	6336.18	-311.57	310.48	-166.25	94.00	0.34	116.60	352.19	331.83	Run 3
68	6445.00	3.81	323.49	6430.93	-317.12	315.99	-170.29	95.00	0.67	114.80	358.96	331.68	Run 3
69	6540.00	3.94	328.26	6525.72	-322.45	321.31	-173.89	95.00	0.37	113.00	365.34	331.58	Run 3
70	6635.00	3.83	328.00	6620.50	-327.94	326.77	-177.29	95.00	0.12	113.00	371.77	331.52	Run 3
71	6730.00	3.71	324.23	6715.29	-333.15	331.96	-180.77	95.00	0.29	113.00	377.99	331.43	Run 3
72	6825.00	3.17	323.97	6810.12	-337.79	336.58	-184.11	95.00	0.57	113.00	383.64	331.32	Run 3
73	6920.00	3.22	320.01	6904.97	-341.98	340.74	-187.37	95.00	0.24	113.00	388.86	331.19	Run 3
74	7015.00	2.75	312.57	6999.85	-345.59	344.33	-190.76	95.00	0.64	113.00	393.64	331.01	Run 3
75	7107.00	2.46	312.60	7091.75	-348.44	347.16	-193.84	92.00	0.32	114.80	397.61	330.82	Run 3
76	7202.00	2.13	307.98	7186.67	-350.92	349.63	-196.73	95.00	0.40	118.40	401.18	330.63	Run 3
77	7297.00	2.10	314.36	7281.61	-353.24	351.93	-199.37	95.00	0.25	120.20	404.48	330.47	Run 3
78	7392.00	1.97	302.21	7376.55	-355.35	354.02	-201.99	95.00	0.47	122.00	407.59	330.29	Run 3
79	7486.00	1.57	311.50	7470.50	-357.08	355.73	-204.32	94.00	0.52	122.00	410.24	330.13	Run 3
80	7582.00	1.70	296.52	7566.47	-358.60	357.24	-206.58	96.00	0.46	122.00	412.67	329.96	Run 3
81	7676.00	1.24	296.14	7660.44	-359.69	358.31	-208.74	94.00	0.49	123.80	414.68	329.78	Run 3
82	7771.00	1.36	280.66	7755.41	-360.36	358.97	-210.78	95.00	0.39	123.80	416.28	329.58	Run 3
83	7865.00	1.03	291.52	7849.39	-360.89	359.49	-212.66	94.00	0.42	125.60	417.68	329.39	Run 3
84	7960.00	0.85	260.14	7944.38	-361.09	359.68	-214.15	95.00	0.57	125.60	418.60	329.23	Run 3
85	8055.00	1.11	271.70	8039.36	-361.01	359.59	-215.76	95.00	0.34	127.40	419.35	329.04	Run 3
86	8149.00	1.08	265.98	8133.35	-360.99	359.55	-217.55	94.00	0.12	129.20	420.25	328.82	Run 3
87	8243.00	1.32	258.50	8227.33	-360.72	359.27	-219.50	94.00	0.30	131.00	421.02	328.58	Run 3
88	8337.00	1.44	276.45	8321.30	-360.65	359.19	-221.73	94.00	0.48	132.80	422.12	328.31	Run 3
89	8432.00	0.90	323.64	8416.28	-361.40	359.93	-223.36	95.00	1.12	134.60	423.60	328.18	Run 3
90	8527.00	0.99	307.56	8511.27	-362.51	361.03	-224.45	95.00	0.29	134.60	425.11	328.13	Run 3
91	8622.00	1.66	299.53	8606.24	-363.70	362.20	-226.30	95.00	0.73	136.40	427.09	328.00	Run 3
92	8717.00	1.72	273.63	8701.20	-364.48	362.97	-228.92	95.00	0.80	138.20	429.13	327.76	Run 3
93	8812.00	1.74	283.26	8796.16	-364.92	363.39	-231.75	95.00	0.31	138.20	431.00	327.47	Run 3
94	8906.00	1.28	338.30	8890.13	-366.24	364.70	-233.53	94.00	1.55	138.20	433.06	327.37	Run 3
95	9001.00	0.66	284.36	8985.12	-367.37	365.82	-234.45	95.00	1.09	140.00	434.50	327.34	Run 3
96	9096.00	0.99	267.82	9080.11	-367.48	365.92	-235.80	95.00	0.42	141.80	435.32	327.20	Run 3
97	9191.00	1.41	245.29	9175.09	-366.97	365.40	-237.68	95.00	0.66	141.80	435.90	326.96	Run 3
98	9286.00	1.52	249.97	9270.06	-366.07	364.48	-239.93	95.00	0.17	141.80	436.36	326.64	Run 3
99	9381.00	2.12	243.03	9365.01	-364.86	363.26	-242.68	95.00	0.67	143.60	436.86	326.25	Run 3
100	9476.00	1.72	244.71	9459.96	-363.47	361.85	-245.53	95.00	0.43	143.60	437.29	325.84	Run 3
101	9570.00	1.63	235.61	9553.92	-362.13	360.49	-247.91	94.00	0.30	143.60	437.51	325.48	Run 3
102	9665.00	1.66	197.42	9648.88	-360.06	358.42	-249.44	95.00	1.13	145.40	436.67	325.16	Run 3
103	9760.00	1.05	72.17	9743.87	-359.01	357.37	-249.02	95.00	2.55	145.40	435.57	325.13	Run 3
104	9855.00	1.36	43.65	9838.85	-360.08	358.45	-247.41	95.00	0.70	147.20	435.55	325.39	Run 3
105	9949.00	1.07	64.10	9932.82	-361.26	359.64	-245.85	94.00	0.55	147.20	435.64	325.64	Run 3
106	10043.00	0.65	351.64	10026.82	-362.17	360.55	-245.14	94.00	1.14	149.00	436.00	325.79	Run 3
107	10138.00	0.73	320.25	10121.81	-363.17	361.55	-245.61	95.00	0.40	150.80	437.08	325.81	Run 3
108	10234.00	0.41	94.91	10217.81	-363.61	361.99	-245.66	96.00	1.10	150.80	437.48	325.84	Run 3
109	10329.00	0.56	175.52	10312.80	-363.12	361.50	-245.28	95.00	0.67	150.80	436.86	325.84	Run 3
110	10424.00	1.08	164.61	10407.79	-361.79	360.17	-245.01	95.00	0.57	152.60	435.61	325.77	Run 3
111	10518.00	0.99	177.82	10501.78	-360.12	358.51	-244.74	94.00	0.27	154.40	434.08	325.68	Run 3
112	10613.00	1.44	192.96	10596.76	-358.14	356.52	-244.98	95.00	0.58	154.40	432.58	325.51	Run 3
113	10708.00	1.47	207.04	10691.73	-355.90	354.28	-245.80	95.00	0.38	154.40	431.20	325.25	Run 3
114	10816.00	1.44	207.74	10799.69	-353.47	351.84	-247.06	108.00	0.03	145.40	429.92	324.92	Run 4
115	10910.00	10.29	148.51	10893.14	-345.22	343.62	-243.22	94.00	10.25	147.20	420.98	324.71	Run 4
116	11005.00	20.80	152.81	10984.54	-322.84	321.31	-231.04	95.00	11.12	147.20	395.76	324.28	Run 4

117	11100.00	32.73	155.50	11069.21	-284.20	282.80	-212.62	95.00	12.62	149.00	353.81	323.06	Run 4
118	11195.00	40.23	156.02	11145.55	-232.58	231.33	-189.47	95.00	7.90	150.80	299.01	320.68	Run 4
119	11291.00	46.09	154.19	11215.54	-172.89	171.82	-161.79	96.00	6.24	152.60	236.00	316.72	Run 4
120	11385.00	53.74	160.64	11276.07	-106.33	105.44	-134.42	94.00	9.68	154.40	170.84	308.11	Run 4
121	11480.00	63.82	168.35	11325.30	-28.02	27.27	-113.04	95.00	12.67	156.20	116.28	283.56	Run 4
122	11576.00	73.13	170.28	11360.48	59.75	-60.40	-96.55	96.00	9.88	161.60	113.88	237.97	Run 5
123	11622.00	76.88	170.78	11372.38	103.62	-104.22	-89.24	46.00	8.22	163.40	137.20	220.57	Run 5
124	11714.00	79.46	176.75	11391.26	193.15	-193.68	-79.49	92.00	6.94	170.60	209.36	202.31	Run 5
125	11806.00	82.61	179.28	11405.60	283.97	-284.48	-76.35	92.00	4.37	176.00	294.55	195.02	Run 5
126	11901.00	87.31	180.85	11413.94	378.57	-379.09	-76.46	95.00	5.21	177.80	386.72	191.40	Run 5
127	11996.00	87.67	181.35	11418.10	473.45	-473.98	-78.28	95.00	0.65	181.40	480.40	189.38	Run 5
128	12091.00	89.50	181.45	11420.45	568.37	-568.92	-80.60	95.00	1.93	185.00	574.60	188.06	Run 5
129	12186.00	90.70	181.91	11420.28	663.31	-663.87	-83.39	95.00	1.35	186.80	669.09	187.16	Run 5
130	12282.00	89.92	181.37	11419.76	759.24	-759.83	-86.14	96.00	0.99	186.80	764.70	186.47	Run 5
131	12377.00	89.02	180.79	11420.64	854.21	-854.81	-87.93	95.00	1.13	186.80	859.32	185.87	Run 5
132	12472.00	89.89	180.49	11421.54	949.19	-949.80	-88.99	95.00	0.97	190.40	953.96	185.35	Run 5
133	12567.00	90.45	181.06	11421.26	1044.17	-1044.79	-90.27	95.00	0.84	194.00	1048.68	184.94	Run 5
134	12662.00	89.02	180.18	11421.70	1139.15	-1139.78	-91.30	95.00	1.77	195.80	1143.43	184.58	Run 5
135	12757.00	89.75	180.44	11422.72	1234.13	-1234.77	-91.81	95.00	0.82	197.60	1238.18	184.25	Run 5
136	12852.00	88.77	178.86	11423.95	1329.12	-1329.76	-91.23	95.00	1.96	199.40	1332.88	183.92	Run 5
137	12947.00	90.00	179.50	11424.97	1424.11	-1424.74	-89.88	95.00	1.46	199.40	1427.57	183.61	Run 5
138	13042.00	90.42	178.99	11424.62	1519.11	-1519.73	-88.62	95.00	0.70	199.40	1522.31	183.34	Run 5
139	13137.00	88.71	177.53	11425.34	1614.07	-1614.68	-85.74	95.00	2.37	199.40	1616.95	183.04	Run 5
140	13233.00	89.58	177.65	11426.77	1710.00	-1710.58	-81.70	96.00	0.91	203.00	1712.53	182.73	Run 5
141	13328.00	91.23	177.80	11426.10	1804.94	-1805.50	-77.93	95.00	1.74	194.00	1807.18	182.47	Run 5
142	13423.00	91.65	179.53	11423.71	1899.90	-1900.44	-75.72	95.00	1.87	203.00	1901.95	182.28	Run 5
143	13518.00	90.22	178.95	11422.16	1994.88	-1995.42	-74.46	95.00	1.62	203.00	1996.81	182.14	Run 5
144	13613.00	90.90	179.94	11421.24	2089.87	-2090.41	-73.54	95.00	1.26	204.80	2091.70	182.01	Run 5
145	13708.00	89.52	179.37	11420.89	2184.87	-2185.40	-72.97	95.00	1.57	206.60	2186.62	181.91	Run 5
146	13804.00	89.13	179.04	11422.02	2280.86	-2281.38	-71.64	96.00	0.53	203.00	2282.51	181.80	Run 5
147	13899.00	91.20	179.75	11421.75	2375.85	-2376.37	-70.63	95.00	2.30	206.60	2377.42	181.70	Run 5
148	13994.00	90.11	182.03	11420.66	2470.81	-2471.35	-72.11	95.00	2.66	190.40	2472.40	181.67	Run 5
149	14089.00	87.14	181.90	11422.94	2565.70	-2566.25	-75.36	95.00	3.13	206.60	2567.36	181.68	Run 5
150	14185.00	87.51	181.93	11427.42	2661.52	-2662.10	-78.57	96.00	0.39	212.00	2663.25	181.69	Run 5
151	14280.00	88.35	182.81	11430.85	2756.34	-2756.95	-82.49	95.00	1.28	217.40	2758.18	181.71	Run 5
152	14375.00	87.90	182.72	11433.96	2851.15	-2851.79	-87.07	95.00	0.48	217.40	2853.12	181.75	Run 5
153	14470.00	88.66	182.99	11436.81	2945.95	-2946.63	-91.80	95.00	0.85	222.80	2948.06	181.78	Run 5
154	14565.00	88.43	183.21	11439.22	3040.75	-3041.46	-96.94	95.00	0.33	221.00	3043.00	181.83	Run 5
155	14661.00	87.81	183.48	11442.37	3136.49	-3137.24	-102.54	96.00	0.70	215.60	3138.92	181.87	Run 5
156	14756.00	91.65	184.08	11442.82	3231.22	-3232.02	-108.80	95.00	4.09	195.80	3233.85	181.93	Run 6
157	14851.00	91.49	181.28	11440.22	3326.04	-3326.87	-113.24	95.00	2.95	201.20	3328.79	181.95	Run 6
158	14946.00	90.11	179.51	11438.89	3421.02	-3421.85	-113.89	95.00	2.36	203.00	3423.74	181.91	Run 6
159	15041.00	90.06	179.43	11438.75	3516.02	-3516.85	-113.02	95.00	0.10	208.40	3518.66	181.84	Run 6
160	15136.00	90.76	179.69	11438.07	3611.02	-3611.84	-112.29	95.00	0.79	210.20	3613.58	181.78	Run 6
161	15231.00	90.22	179.76	11437.26	3706.01	-3706.83	-111.83	95.00	0.57	212.00	3708.52	181.73	Run 6
162	15326.00	89.24	180.03	11437.70	3801.01	-3801.83	-111.66	95.00	1.07	213.80	3803.47	181.68	Run 6
163	15422.00	89.66	178.01	11438.63	3896.99	-3897.81	-110.01	96.00	2.15	212.00	3899.36	181.62	Run 6
164	15517.00	91.26	179.08	11437.86	3991.97	-3992.77	-107.60	95.00	2.03	213.80	3994.22	181.54	Run 6
165	15612.00	90.22	178.66	11436.64	4086.95	-4087.74	-105.73	95.00	1.18	213.80	4089.11	181.48	Run 6
166	15707.00	89.30	178.22	11437.03	4181.93	-4182.70	-103.14	95.00	1.07	217.40	4183.98	181.41	Run 6
167	15802.00	89.61	178.84	11437.94	4276.91	-4277.67	-100.71	95.00	0.73	219.20	4278.85	181.35	Run 6
168	15897.00	89.41	178.94	11438.75	4371.90	-4372.65	-98.87	95.00	0.24	219.20	4373.76	181.30	Run 6
169	15992.00	87.65	178.04	11441.19	4466.84	-4467.58	-96.36	95.00	2.08	221.00	4468.62	181.24	Run 6
170	16088.00	90.11	177.81	11443.06	4562.77	-4563.49	-92.89	96.00	2.57	215.60	4564.43	181.17	Run 6
171	16183.00	90.28	179.69	11442.74	4657.76	-4658.46	-90.82	95.00	1.99	217.40	4659.35	181.12	Run 6
172	16277.00	92.92	181.06	11440.12	4751.70	-4752.41	-91.43	94.00	3.16	217.40	4753.29	181.10	Run 6
173	16372.00	93.00	181.17	11435.21	4846.54	-4847.27	-93.28	95.00	0.14	221.00	4848.17	181.10	Run 6
174	16467.00	92.16	180.60	11430.93	4941.42	-4942.16	-94.74	95.00	1.07	222.80	4943.07	181.10	Run 6
175	16562.00	92.05	182.55	11427.44	5036.30	-5037.05	-97.35	95.00	2.05	222.80	5038.00	181.11	Run 6
176	16658.00	92.91	179.33	11423.29	5132.17	-5132.94	-98.93	96.00	3.47	219.20	5133.89	181.10	Run 6
177	16753.00	92.30	178.38	11418.97	5227.06	-5227.82	-97.03	95.00	1.19	219.20	5228.72	181.06	Run 6
178	16848.00	91.99	178.02	11415.41	5321.97	-5322.71	-94.05	95.00	0.50	222.80	5323.54	181.01	Run 6
179	16943.00	89.72	175.44	11414.00	5416.82	-5417.53	-88.63	95.00	3.62	217.40	5418.25	180.94	Run 6
180	17038.00	89.75	174.95	11414.44	5511.54	-5512.19	-80.67	95.00	0.52	222.80	5512.78	180.84	Run 6
181	17133.00	88.09	177.35	11416.23	5606.33	-5606.95	-74.29	95.00	3.07	221.00	5607.44	180.76	Run 6
182	17228.00	87.62	176.67	11419.78	5701.17	-5701.75	-69.34	95.00	0.87	222.80	5702.17	180.70	Run 6
183	17323.00	88.40	179.24	11423.08	5796.06	-5796.63	-65.96	95.00	2.83	222.80	5797.00	180.65	Run 6
184	17418.00	90.79	180.57	11423.75	5891.05	-5891.62	-65.80	95.00	2.88	222.80	5891.98	180.64	Run 6

185	17514.00	90.48	178.99	11422.69	5987.04	-5987.61	-65.43	96.00	1.68	221.00	5987.96	180.63	Run 6
186	17609.00	91.29	178.44	11421.22	6082.02	-6082.57	-63.30	95.00	1.03	222.80	6082.90	180.60	Run 6
187	17704.00	91.51	178.57	11418.90	6176.97	-6177.51	-60.82	95.00	0.27	222.80	6177.81	180.56	Run 6
188	17799.00	89.41	177.29	11418.14	6271.92	-6272.44	-57.39	95.00	2.59	213.80	6272.70	180.52	Run 6
189	17894.00	89.13	177.11	11419.35	6366.82	-6367.31	-52.75	95.00	0.35	219.20	6367.53	180.47	Run 6
190	17989.00	91.29	179.14	11419.00	6461.78	-6462.25	-49.64	95.00	3.12	204.80	6462.44	180.44	Run 7
191	18084.00	91.74	178.97	11416.49	6556.74	-6557.21	-48.08	95.00	0.51	210.20	6557.38	180.42	Run 7
192	18179.00	92.02	178.68	11413.37	6651.68	-6652.14	-46.13	95.00	0.42	213.80	6652.29	180.40	Run 7
193	18274.00	91.06	177.11	11410.82	6746.60	-6747.03	-42.64	95.00	1.94	213.80	6747.17	180.36	Run 7
194	18370.00	90.53	178.62	11409.49	6842.54	-6842.95	-39.06	96.00	1.67	213.80	6843.07	180.33	Run 7
195	18465.00	90.87	178.95	11408.33	6937.53	-6937.92	-37.05	95.00	0.50	217.40	6938.02	180.31	Run 7
196	18560.00	88.54	176.63	11408.82	7032.46	-7032.84	-33.39	95.00	3.46	219.20	7032.92	180.27	Run 7
197	18655.00	90.70	178.28	11409.45	7127.39	-7127.74	-29.17	95.00	2.86	215.60	7127.79	180.23	Run 7
198	18750.00	89.66	179.94	11409.15	7222.38	-7222.72	-27.69	95.00	2.06	219.20	7222.77	180.22	Run 7
199	18845.00	90.25	180.45	11409.22	7317.37	-7317.72	-28.02	95.00	0.82	219.20	7317.77	180.22	Run 7
200	18941.00	91.09	180.43	11408.10	7413.35	-7413.71	-28.75	96.00	0.88	222.80	7413.76	180.22	Run 7
201	19036.00	90.11	179.57	11407.10	7508.34	-7508.70	-28.75	95.00	1.37	224.60	7508.75	180.22	Run 7
202	19131.00	91.32	180.66	11405.92	7603.33	-7603.69	-28.94	95.00	1.71	215.60	7603.74	180.22	Run 7
203	19226.00	90.59	179.33	11404.34	7698.31	-7698.67	-28.94	95.00	1.60	221.00	7698.73	180.22	Run 7
204	19321.00	90.67	178.85	11403.29	7793.30	-7793.66	-27.43	95.00	0.51	224.60	7793.70	180.20	Run 7
205	19416.00	90.56	177.24	11402.27	7888.26	-7888.59	-24.19	95.00	1.70	222.80	7888.63	180.18	Run 7
206	19512.00	90.92	176.27	11401.03	7984.13	-7984.43	-18.75	96.00	1.08	219.20	7984.45	180.13	Run 7
207	19607.00	90.34	180.99	11399.99	8079.08	-8079.37	-16.48	95.00	5.01	221.00	8079.38	180.12	Run 7
208	19702.00	91.91	181.60	11398.12	8174.02	-8174.32	-18.63	95.00	1.77	221.00	8174.34	180.13	Run 7
209	19797.00	90.70	181.74	11395.96	8268.93	-8269.26	-21.40	95.00	1.28	219.20	8269.28	180.15	Run 7
210	19893.00	91.20	183.09	11394.37	8364.80	-8365.15	-25.44	96.00	1.50	222.80	8365.19	180.17	Run 7
211	19988.00	92.77	183.79	11391.08	8459.53	-8459.92	-31.14	95.00	1.81	219.20	8459.98	180.21	Run 7
212	20083.00	91.12	183.59	11387.85	8554.23	-8554.67	-37.25	95.00	1.75	217.40	8554.75	180.25	Run 7
213	20178.00	89.97	181.84	11386.95	8649.08	-8649.55	-41.75	95.00	2.20	222.80	8649.65	180.28	Run 7
214	20274.00	89.75	182.26	11387.18	8745.00	-8745.49	-45.18	96.00	0.49	226.40	8745.61	180.30	Run 7
215	20369.00	87.93	180.40	11389.11	8839.93	-8840.44	-47.39	95.00	2.74	222.80	8840.56	180.31	Run 7
216	20464.00	88.09	181.44	11392.40	8934.84	-8935.37	-48.91	95.00	1.11	228.20	8935.50	180.31	Run 7
217	20559.00	85.85	178.93	11397.43	9029.69	-9030.22	-49.22	95.00	3.54	230.00	9030.35	180.31	Run 7
218	20655.00	85.37	179.73	11404.78	9125.41	-9125.93	-48.10	96.00	0.97	210.20	9126.06	180.30	Run 8
219	20750.00	88.07	179.95	11410.21	9220.24	-9220.76	-47.84	95.00	2.85	215.60	9220.89	180.30	Run 8
220	20845.00	89.41	179.95	11412.30	9315.22	-9315.74	-47.75	95.00	1.41	217.40	9315.86	180.29	Run 8
221	20940.00	91.40	180.52	11411.63	9410.20	-9410.73	-48.14	95.00	2.18	215.60	9410.85	180.29	Run 8
222	21035.00	91.29	179.51	11409.40	9505.17	-9505.70	-48.17	95.00	1.07	219.20	9505.83	180.29	Run 8
223	21130.00	89.27	176.21	11408.93	9600.11	-9600.62	-44.62	95.00	4.07	221.00	9600.72	180.27	Run 8
224	21225.00	89.33	175.46	11410.09	9694.90	-9695.36	-37.72	95.00	0.79	222.80	9695.43	180.22	Run 8
225	21321.00	90.11	175.23	11410.56	9790.63	-9791.04	-29.93	96.00	0.85	222.80	9791.09	180.18	Run 8
226	21416.00	91.23	174.86	11409.45	9885.32	-9885.68	-21.73	95.00	1.24	222.80	9885.70	180.13	Run 8
227	21470.00	91.09	174.25	11408.36	9939.09	-9939.42	-16.60	54.00	1.16	222.80	9939.44	180.10	Run 8
PTB	21525.00	91.09	174.25	11407.31	9993.84	-9994.14	-11.09	55.00	0.00	0.00	9994.14	180.06	Run 8