



KANSAS CORPORATION COMMISSION 1077771
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32334
Name: Chesapeake Operating, Inc.
Address 1: 6100 N WESTERN AVE
Address 2: PO BOX 18496
City: OKLAHOMA CITY State: OK Zip: 73154 + 0496
Contact Person: Aletha Dewbre
Phone: (405) 935-4775
CONTRACTOR: License # 34500
Name: Nomac Drilling, LLC
Wellsite Geologist: Hayet Serradji
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>1/09/2012</u>	<u>1/30/2012</u>	<u>1/30/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21710-01-00
Spot Description: _____
S2 S2 SE SE Sec. 36 Twp. 30 S. R. 19 East West
225 Feet from North / South Line of Section
660 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Kiowa
Lease Name: Blair 36-30-19 Well #: 1H
Field Name: _____
Producing Formation: Mississippi Lime
Elevation: Ground: 2203 Kelly Bushing: 2219
Total Depth: 9069 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1075 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 12726 ppm Fluid volume: 78 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Chesapeake Operating, Inc.
Lease Name: Michael 6-32-17 1SWD License #: 32334
Quarter NW Sec. 6 Twp. 32 S. R. 17 East West
County: Comanche Permit #: D-30954

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 04/27/2012
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 04/30/2012

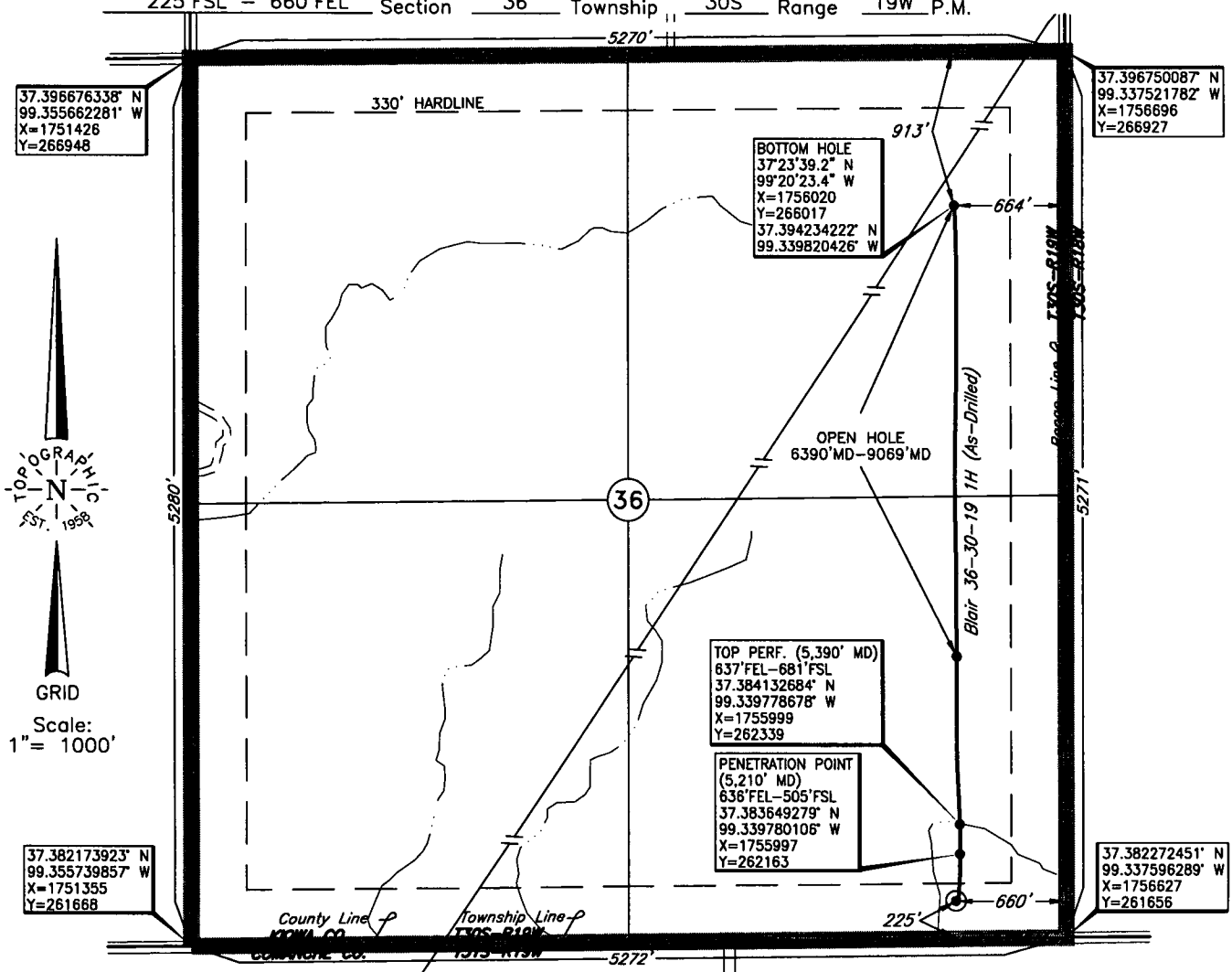
TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec 31, 2012

KIOWA

County, Kansas

225' FSL -- 660' FEL Section 36 Township 30S Range 19W P.M.



37.396676338° N
 99.355662281° W
 X=1751426
 Y=266948

BOTTOM HOLE
 37°23'39.2" N
 99°20'23.4" W
 X=1756020
 Y=266017
 37.394234222° N
 99.339820426° W

37.396750087° N
 99.337521782° W
 X=1756696
 Y=266927

TOP PERF. (5,390' MD)
 637' FEL - 681' FSL
 37.384132684° N
 99.339778678° W
 X=1755999
 Y=262339

PENETRATION POINT (5,210' MD)
 636' FEL - 505' FSL
 37.383649279° N
 99.339780106° W
 X=1755997
 Y=262163

37.382173923° N
 99.355739857° W
 X=1751355
 Y=261668

37.382272451° N
 99.337596289° W
 X=1756627
 Y=261656

This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately of any possible discrepancy.

Operator: CHESAPEAKE OPERATING, INC.
 Lease Name: BLAIR 36-30-19

ELEVATION:
2202' Gr. at Stake

Well No.: 1H

Topography & Vegetation Loc. fell in sloped grass pasture, ±80' East of drain

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From Jct. US Hwy. 183 and US Hwy. 160 E, North of Coldwater, KS,
go ±7.0 mi. North, then ±0.8 mi. West to the SE Cor. of Sec. 36-T30S-R19W

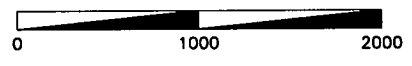
GPS
 DATUM: NAD-27
 LAT: 37°22'58.4"N
 LONG: 99°20'23.5"W
 LAT: 37.382879638
 LONG: 99.339864345

Invoice # 180903 Date of Drawing: Mar. 23, 2012
169750 Date Staked: Oct. 18, 2011 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY CHESAPEAKE OPERATING

STATE PLANE COORDINATES:
 ZONE: KS SOUTH
 X: 1755970
 Y: 261883



CRESCENT

DIRECTIONAL DRILLING

Minimum Curvature Calculation

Client: Chesapeake
 Well: Blair 36-30-19 1H
 County: Kiowa
 Rig: Nomac 115

M.W.D. OPERATORS: B. Forrest/R.Diaz
 DIRECTIONAL DRILLERS: Cleve / Derrick
 Tool Correction to Grid North: 5.48
 Job #: OK-12019
 Survey Offset: 45ft
 Gamma Offset: 32ft

Vertical Section Angle: 0.74

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
Tie In	4736.00	0.22	264.25	4735.83	19.29	19.11	14.62	0.00
1	4775.00	7.50	3.30	4774.72	21.84	21.65	14.69	19.33
2	4807.00	10.70	7.10	4806.31	26.88	26.68	15.18	10.17
3	4839.00	14.80	7.90	4837.52	33.89	33.68	16.11	12.82
4	4871.00	19.30	8.20	4868.10	43.19	42.97	17.43	14.07
5	4902.00	24.10	7.30	4896.90	54.56	54.32	18.96	15.52
6	4934.00	29.40	5.50	4925.46	68.89	68.63	20.55	16.75
7	4966.00	34.50	4.00	4952.61	85.78	85.50	21.93	16.13
8	4997.00	39.60	2.80	4977.34	104.43	104.14	23.03	16.62
9	5029.00	45.20	1.40	5000.96	125.99	125.69	23.80	17.75
10	5061.00	51.20	1.80	5022.28	149.83	149.53	24.47	18.77
11	5092.00	56.10	1.90	5040.65	174.79	174.48	25.28	15.81
12	5124.00	60.60	1.80	5057.44	202.02	201.70	26.16	14.07
13	5156.00	64.80	1.30	5072.11	230.44	230.12	26.92	13.20
14	5188.00	67.80	0.80	5084.97	259.74	259.41	27.46	9.48
15	5219.00	70.50	0.80	5096.00	288.71	288.37	27.86	8.71
16	5251.00	73.90	1.50	5105.79	319.17	318.83	28.48	10.83
17	5283.00	77.50	0.90	5113.69	350.17	349.83	29.13	11.40
18	5314.00	81.50	0.50	5119.34	380.65	380.30	29.50	12.97
19	5346.00	85.20	359.90	5123.04	412.43	412.08	29.61	11.71
20	5353.00	86.00	359.90	5123.58	419.40	419.06	29.60	11.43
21	5421.00	89.90	357.90	5126.01	487.31	486.98	28.29	6.44
22	5451.00	90.20	358.70	5125.98	517.28	516.97	27.40	2.85
23	5482.00	90.40	358.10	5125.82	548.26	547.96	26.53	2.04
24	5512.00	90.50	358.20	5125.59	578.22	577.94	25.57	0.47
25	5543.00	90.60	357.00	5125.29	609.17	608.91	24.27	3.88
26	5573.00	90.80	358.00	5124.92	639.12	638.88	22.96	3.40
27	5604.00	91.00	357.70	5124.44	670.08	669.86	21.80	1.16
28	5634.00	90.10	357.90	5124.15	700.04	699.83	20.65	3.07
29	5665.00	90.10	358.30	5124.09	731.01	730.81	19.62	1.29
30	5696.00	88.80	358.60	5124.39	761.98	761.80	18.78	4.30
31	5726.00	88.70	358.90	5125.05	791.95	791.79	18.12	1.05
32	5758.00	89.10	358.80	5125.66	823.93	823.77	17.48	1.29
33	5790.00	89.10	1.00	5126.16	855.92	855.77	17.43	6.87
34	5821.00	89.40	1.20	5126.57	886.92	886.76	18.02	1.16
35	5853.00	89.40	0.70	5126.90	918.92	918.75	18.55	1.56
36	5885.00	89.20	0.60	5127.29	950.91	950.75	18.92	0.70
37	5916.00	88.50	359.50	5127.92	981.90	981.74	18.94	4.21
38	5948.00	88.40	359.50	5128.78	1013.89	1013.73	18.66	0.31
39	5980.00	89.30	0.50	5129.42	1045.88	1045.72	18.66	4.20

CRESCENT

DIRECTIONAL DRILLING

Minimum Curvature Calculation

Client: Chesapeake
 Well: Blair 36-30-19 1H
 County: Kiowa
 Rig: Nomac 115

M.W.D. OPERATORS: B. Forrest/R.Diaz
 DIRECTIONAL DRILLERS: Cleve / Derrick
 Tool Correction to Grid North: 5.48
 Job #: OK-12019
 Survey Offset: 45ft
 Gamma Offset: 32ft

Vertical Section Angle: 0.74

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
40	6011.00	89.60	0.60	5129.72	1076.87	1076.72	18.96	1.02
41	6043.00	91.00	1.30	5129.55	1108.87	1108.71	19.49	4.89
42	6075.00	91.60	1.70	5128.83	1140.86	1140.69	20.33	2.25
43	6107.00	92.00	1.30	5127.82	1172.84	1172.67	21.17	1.77
44	6138.00	92.20	1.30	5126.69	1203.82	1203.64	21.87	0.65
45	6170.00	92.70	1.30	5125.32	1235.79	1235.60	22.59	1.56
46	6202.00	91.30	0.80	5124.20	1267.77	1267.57	23.18	4.65
47	6233.00	91.50	0.90	5123.44	1298.76	1298.56	23.64	0.72
48	6265.00	90.00	1.00	5123.03	1330.76	1330.55	24.17	4.70
49	6297.00	89.90	0.80	5123.05	1362.76	1362.55	24.67	0.70
50	6328.00	89.20	0.80	5123.30	1393.75	1393.55	25.11	2.26
51	6360.00	89.10	0.50	5123.77	1425.75	1425.54	25.47	0.99
52	6392.00	89.50	0.60	5124.16	1457.75	1457.54	25.78	1.29
53	6423.00	89.60	0.80	5124.41	1488.75	1488.53	26.15	0.72
54	6455.00	90.00	0.50	5124.52	1520.75	1520.53	26.52	1.56
55	6487.00	90.30	0.40	5124.43	1552.75	1552.53	26.77	0.99
56	6518.00	91.00	0.60	5124.08	1583.74	1583.53	27.04	2.35
57	6550.00	90.30	0.50	5123.72	1615.74	1615.52	27.35	2.21
58	6582.00	90.40	0.10	5123.52	1647.74	1647.52	27.51	1.29
59	6613.00	89.30	0.50	5123.61	1678.74	1678.52	27.68	3.78
60	6645.00	89.30	0.50	5124.00	1710.74	1710.52	27.96	0.00
61	6677.00	89.60	0.40	5124.30	1742.73	1742.51	28.21	0.99
62	6709.00	89.70	0.20	5124.50	1774.73	1774.51	28.37	0.70
63	6741.00	90.10	0.60	5124.55	1806.73	1806.51	28.60	1.77
64	6772.00	89.70	0.60	5124.61	1837.73	1837.51	28.92	1.29
65	6804.00	89.50	0.30	5124.83	1869.73	1869.51	29.17	1.13
66	6836.00	89.80	0.20	5125.03	1901.73	1901.51	29.31	0.99
67	6868.00	90.20	0.20	5125.03	1933.73	1933.51	29.43	1.25
68	6899.00	89.90	0.20	5125.00	1964.72	1964.51	29.53	0.97
69	6931.00	89.90	359.70	5125.06	1996.72	1996.51	29.51	1.56
70	6963.00	90.30	359.90	5125.00	2028.72	2028.51	29.39	1.40
71	6994.00	90.50	359.80	5124.78	2059.71	2059.51	29.31	0.72
72	7026.00	90.90	359.80	5124.39	2091.71	2091.50	29.20	1.25
73	7058.00	91.30	0.10	5123.78	2123.70	2123.50	29.17	1.56
74	7089.00	91.50	359.50	5123.02	2154.68	2154.49	29.06	2.04
75	7121.00	91.40	359.30	5122.21	2186.66	2186.48	28.73	0.70
76	7153.00	91.60	359.40	5121.37	2218.64	2218.46	28.37	0.70
77	7185.00	91.60	359.50	5120.48	2250.62	2250.45	28.06	0.31
78	7216.00	91.70	359.50	5119.59	2281.60	2281.43	27.79	0.32
79	7248.00	92.00	359.50	5118.56	2313.58	2313.42	27.51	0.94

CRESCENT

DIRECTIONAL DRILLING

Minimum Curvature Calculation

Client: Chesapeake
 Well: Blair 36-30-19 1H
 County: Kiowa
 Rig: Nomac 115

M.W.D. OPERATORS: B. Forrest/R.Diaz
 DIRECTIONAL DRILLERS: Cleve / Derrick
 Tool Correction to Grid North: 5.48
 Job #: OK-12019
 Survey Offset: 45ft
 Gamma Offset: 32ft

Vertical Section Angle: 0.74

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N/-S	+E/-W	DLS
80	7279.00	92.40	359.80	5117.37	2344.55	2344.39	27.32	1.61
81	7311.00	92.70	359.90	5115.94	2376.51	2376.36	27.24	0.99
82	7343.00	91.30	0.50	5114.82	2408.49	2408.34	27.35	4.76
83	7375.00	91.00	0.60	5114.18	2440.49	2440.33	27.66	0.99
84	7406.00	90.90	0.50	5113.67	2471.48	2471.33	27.95	0.46
85	7438.00	91.10	0.60	5113.11	2503.48	2503.32	28.26	0.70
86	7470.00	91.40	0.90	5112.41	2535.47	2535.31	28.68	1.33
87	7501.00	91.70	0.80	5111.57	2566.46	2566.30	29.14	1.02
88	7533.00	92.00	1.00	5110.54	2598.44	2598.27	29.64	1.13
89	7565.00	92.50	0.90	5109.28	2630.42	2630.25	30.17	1.59
90	7596.00	92.70	0.90	5107.88	2661.38	2661.21	30.66	0.65
91	7628.00	92.60	1.90	5106.40	2693.35	2693.17	31.44	3.14
92	7660.00	91.50	1.60	5105.25	2725.32	2725.13	32.42	3.56
93	7692.00	91.70	1.50	5104.36	2757.31	2757.11	33.28	0.70
94	7724.00	90.40	2.10	5103.77	2789.29	2789.08	34.29	4.47
95	7755.00	88.70	2.00	5104.02	2820.28	2820.06	35.39	5.49
96	7787.00	88.70	2.10	5104.74	2852.27	2852.03	36.54	0.31
97	7819.00	88.70	2.40	5105.47	2884.25	2884.00	37.80	0.94
98	7851.00	89.10	2.10	5106.08	2916.23	2915.97	39.05	1.56
99	7883.00	89.40	2.10	5106.50	2948.22	2947.94	40.22	0.94
100	7915.00	89.70	2.10	5106.75	2980.21	2979.92	41.40	0.94
101	7946.00	90.00	2.30	5106.83	3011.20	3010.90	42.59	1.16
102	7978.00	90.50	2.40	5106.70	3043.19	3042.87	43.90	1.59
103	8010.00	90.80	2.20	5106.33	3075.17	3074.84	45.18	1.13
104	8042.00	90.20	1.80	5106.05	3107.16	3106.82	46.30	2.25
105	8073.00	90.20	1.30	5105.94	3138.16	3137.81	47.14	1.61
106	8105.00	90.40	0.70	5105.78	3170.16	3169.81	47.70	1.98
107	8137.00	90.70	0.60	5105.47	3202.16	3201.80	48.06	0.99
108	8169.00	90.20	0.60	5105.22	3234.16	3233.80	48.39	1.56
109	8200.00	88.70	0.40	5105.52	3265.15	3264.80	48.66	4.88
110	8232.00	88.70	0.50	5106.24	3297.14	3296.79	48.92	0.31
111	8264.00	89.10	1.00	5106.86	3329.14	3328.78	49.33	2.00
112	8295.00	89.10	1.10	5107.34	3360.13	3359.77	49.90	0.32
113	8327.00	89.40	0.90	5107.76	3392.13	3391.76	50.46	1.13
114	8359.00	89.80	0.80	5107.99	3424.13	3423.76	50.94	1.29
115	8390.00	90.00	0.90	5108.04	3455.13	3454.75	51.40	0.72
116	8422.00	90.50	1.40	5107.90	3487.13	3486.75	52.04	2.21
117	8454.00	91.00	1.60	5107.48	3519.12	3518.73	52.88	1.68
118	8486.00	91.60	1.50	5106.76	3551.11	3550.71	53.74	1.90
119	8517.00	90.60	1.00	5106.16	3582.10	3581.70	54.42	3.61

CRESCENT

DIRECTIONAL DRILLING

Minimun Curvature Calculation

Client: Chesapeake
 Well: Blair 36-30-19 1H
 County: Kiowa
 Rig: Nomac 115

M.W.D. OPERATORS: B. Forrest/R.Diaz
 DIRECTIONAL DRILLERS: Cleve / Derrick
 Tool Correction to Grid North: 5.48
 Job #: OK-12019
 Survey Offset: 45ft
 Gamma Offset: 32ft

Vertical Section Angle: 0.74

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
120	8549.00	90.50	1.00	5105.85	3614.10	3613.69	54.98	0.31
121	8581.00	91.00	1.30	5105.43	3646.10	3645.68	55.62	1.82
122	8612.00	91.60	1.40	5104.73	3677.09	3676.67	56.35	1.96
123	8644.00	91.50	1.20	5103.87	3709.07	3708.65	57.07	0.70
124	8676.00	91.60	0.80	5103.00	3741.06	3740.63	57.63	1.29
125	8708.00	90.30	0.20	5102.47	3773.06	3772.62	57.91	4.47
126	8739.00	90.00	359.50	5102.39	3804.05	3803.62	57.83	2.46
127	8771.00	90.00	359.10	5102.39	3836.04	3835.62	57.44	1.25
128	8803.00	90.10	359.00	5102.36	3868.03	3867.62	56.91	0.44
129	8834.00	90.30	358.60	5102.25	3899.01	3898.61	56.26	1.44
130	8866.00	90.50	358.50	5102.03	3930.99	3930.60	55.45	0.70
131	8898.00	90.90	359.20	5101.64	3962.97	3962.59	54.81	2.52
132	8930.00	91.40	358.60	5101.00	3994.94	3994.58	54.19	2.44
133	8961.00	90.00	358.30	5100.62	4025.92	4025.56	53.35	4.62
134	8993.00	89.80	358.20	5100.67	4057.89	4057.55	52.38	0.70
135	9025.00	89.80	358.10	5100.78	4089.85	4089.53	51.34	0.31
PTB	9069.00	89.80	358.10	5100.94	4133.81	4133.51	49.89	0.00