1078291

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Tammy Alcorn
Purchaser: Atlas (gas) Plains (oil)

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 #:

3/14/2012	4/4/2012	4/7/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21829-01-00
Spot Description:
SE SW SW SW Sec. 4 Twp. 35 S. R. 7 ☐ East ☑ West
275 Feet from ☐ North / ☑ South Line of Section
340 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
County: Harper
Lease Name: Cather Well #: 1-4H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1271 Kelly Bushing: 1251
Total Depth: 9119 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 800 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: 21885 ppm Fluid volume: 4090 bbls
Dewatering method used: Haul Off Pit

Location of fluid disposal if hauled offsite:

Operator Name: APSS, Inc.
Lease Name: Soil Farmed License #: 99999
Quarter NW Sec. 6 Twp. 28 S. R. 8 ☐ East ☑ West
County: Grant, OK Permit #: 12-20012

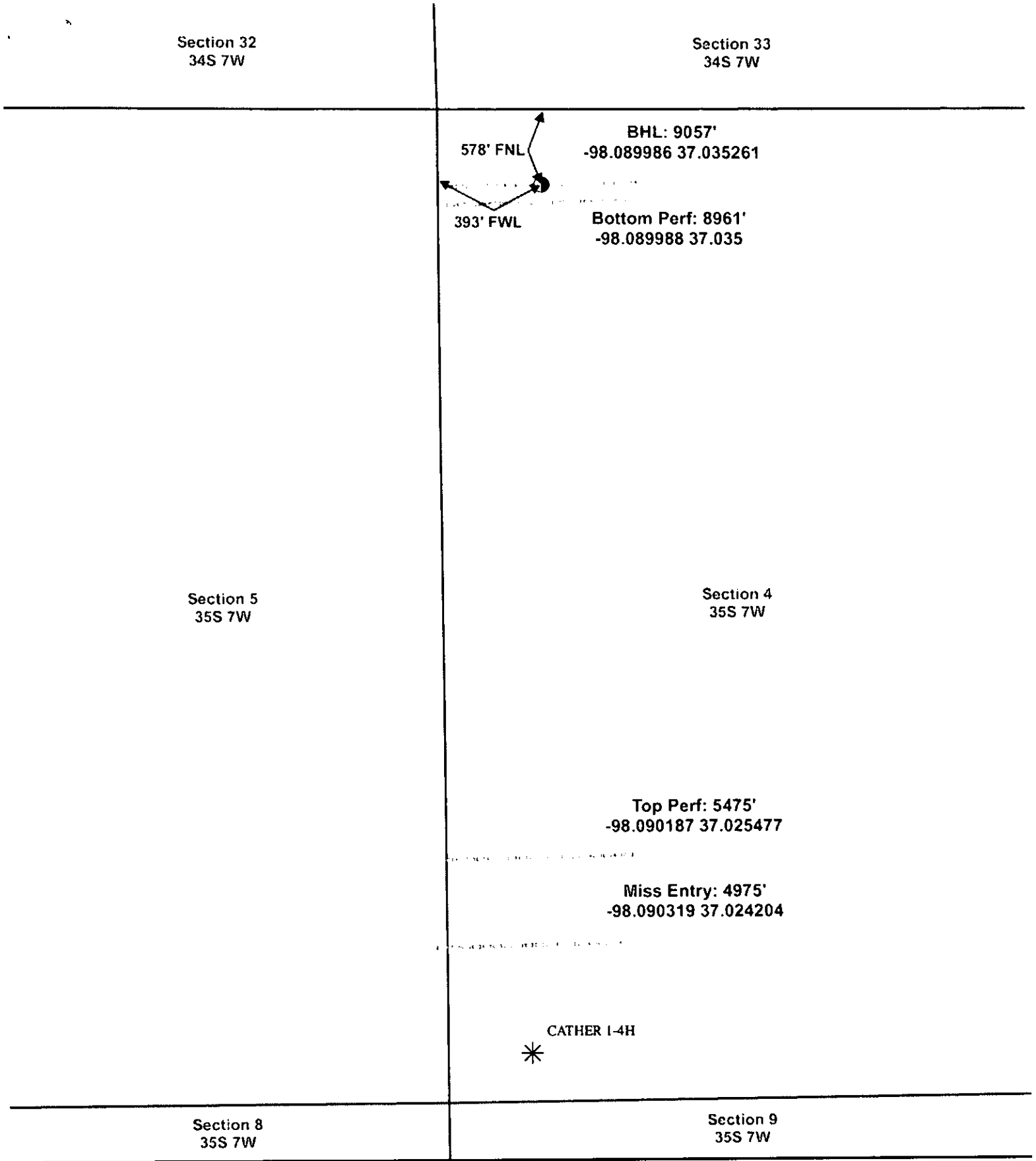
AFFIDAVIT

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: 07/12/2012
☐ Confidential Release Date:
☐ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution
ALT ☑ I ☐ II ☐ III Approved by: NAOMI JAMES Date: 07/12/2012



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Amelia Grace 1-2H
Harper County, Kansas
T&R: 35S 7W
Section: 4, 393' FWL & 578' FNL
Long/Lat: -98.089986 37.035261

1 in = 667 ft

0 420 840 1,680 Feet

N

Draftsman: Aaron Birk	Draft Date: 7/5/2012
Drawing Name/Number: Addendum_Cather_1-4H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

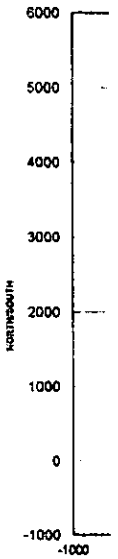
SANDRIDGE
THE POWER OF US

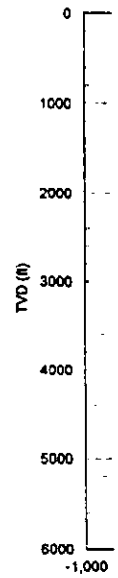
RIG: Lariat 48

WELL: Cather 1-4H
LOCATION: 200' FSL & 660' FWL of 17-T35S-R7W
BHL: 200' FNL & 660' FWL of 8-T35S-R7W

Target Direction:	3.37 deg
North/South Hard Line:	
East/West Hard Line:	

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
Tie-In								<< TIE-IN POINT
1	250	1.1	27.5	249.98	2.19	1.14	2.25	0.45
2	400	1.2	27.5	399.95	4.87	2.53	5.01	0.03
3	500	1.3	27.5	499.93	6.82	3.55	7.02	0.16
4	650	0.9	27.5	649.90	9.36	4.87	9.63	0.33
5	768	0.5	27.5	767.89	10.56	5.50	10.86	0.33
6	886	0.6	27.5	885.89	11.36	5.91	11.69	0.14
7	958	0.4	26.2	957.89	12.08	6.28	12.43	0.22
8	1,416	0.7	147.9	1415.87	11.14	8.47	11.62	0.21
9	1,702	0.5	129.3	1701.86	8.87	10.37	9.46	0.10
10	1,988	0.2	136.4	1987.85	7.72	11.68	8.39	0.11
11	2,274	0.4	29.4	2273.85	8.23	12.51	8.95	0.17
12	2,560	0.4	78.2	2559.84	9.30	13.98	10.11	0.12
13	2,845	0.5	140.6	2844.84	8.54	15.74	9.45	0.17
14	3,131	0.5	93.1	3130.83	7.51	17.78	8.54	0.14
15	3,322	0.6	53.9	3321.82	8.06	19.42	9.18	0.20
16	3,418	0.5	87.1	3417.81	8.37	20.24	9.55	0.34
17	3,513	0.8	110.8	3512.81	8.22	21.12	9.44	0.26
18	3,608	0.6	114	3607.81	7.84	22.04	9.12	0.04
19	3,704	0.5	104.3	3703.80	7.53	22.91	8.86	0.14
20	3,799	0.3	173	3798.80	7.18	23.34	8.54	0.51
21	3,831	0.5	158.7	3830.80	6.97	23.40	8.33	0.71
22	3,862	0.4	159.5	3861.80	6.75	23.50	8.11	0.33
23	3,894	0.5	12.8	3893.80	6.78	23.57	8.15	2.70
24	3,926	2.0	353.5	3925.79	7.47	23.53	8.84	4.80
25	3,958	3.9	351.1	3957.74	9.10	23.30	10.45	5.95
26	3,989	5.9	351.5	3988.63	11.72	22.90	13.04	6.45
27	4,021	7.8	353.8	4020.40	15.50	22.43	16.79	6.00
28	4,053	9.8	354.1	4052.02	20.37	21.91	21.62	6.25
29	4,085	11.6	351.6	4083.46	26.26	21.16	27.46	5.81
30	4,116	13.9	351.1	4113.70	33.02	20.13	34.15	7.43
31	4,148	16.1	351.2	4144.61	41.21	18.86	42.24	6.88
32	4,180	18.6	353.1	4175.15	50.66	17.56	51.60	8.01
33	4,212	21.5	354.3	4205.20	61.56	16.37	62.42	9.15
34	4,244	24.3	354.4	4234.68	73.95	15.14	74.72	8.75
35	4,275	26.4	354.7	4262.69	87.17	13.88	87.83	6.79
36	4,307	28.8	355.1	4291.08	101.88	12.57	102.45	6.90
37	4,339	30.9	356.1	4318.86	117.71	11.36	118.18	7.35
38	4,371	33.3	356.4	4345.96	134.68	10.25	135.05	7.52
39	4,402	34.7	357.5	4371.66	151.99	9.33	152.28	4.93
40	4,434	36.4	358.4	4397.70	170.58	8.67	170.80	5.56
41	4,466	38.3	359.1	4423.13	189.99	8.25	190.15	6.08
42	4,498	40.4	359	4447.88	210.28	7.91	210.38	6.57
43	4,530	42.6	358.5	4471.84	231.47	7.44	231.51	6.95
44	4,561	44.5	358.4	4494.31	252.82	6.87	252.79	6.13
45	4,593	45.8	358.9	4516.88	275.50	6.33	275.40	4.21
46	4,625	47.6	359.8	4538.82	298.79	6.07	298.63	5.99
47	4,657	49.0	0.6	4560.11	322.68	6.16	322.49	4.76
48	4,689	51.3	1.8	4580.61	347.24	6.68	347.03	7.74
49	4,720	51.7	2	4599.91	371.49	7.48	371.29	1.39
50	4,752	51.4	2.1	4619.81	396.53	8.38	396.34	0.97
51	4,784	50.7	1.9	4639.93	421.40	9.24	421.22	2.24
52	4,816	49.9	1.8	4660.37	446.01	10.04	445.83	2.51
53	4,848	49.3	1.8	4681.11	470.37	10.81	470.19	1.87
54	4,879	49.5	2.4	4701.28	493.69	11.67	493.72	1.60
55	4,911	52.2	4	4721.48	518.66	13.06	518.54	9.29
56	4,943	55.4	4.9	4740.38	544.40	15.07	544.35	10.25
57	4,975	59.3	5.40	4757.64	571.23	17.49	571.27	12.26
58	5,006	63.3	5.30	4772.53	598.30	20.02	598.44	12.91
59	5,038	66.9	4.70	4786.00	627.21	22.55	627.45	11.38
60	5,070	70.9	5.10	4797.51	656.95	25.10	657.29	12.55
61	5,102	74.6	5.60	4807.00	687.37	27.95	687.83	11.66
62	5,133	78.0	5.80	4814.34	717.34	30.94	717.92	10.99
63	5,165	80.4	5.90	4820.34	748.60	34.15	749.32	7.51
64	5,197	83.1	6.10	4824.93	780.10	37.46	780.95	8.46
65	5,228	85.4	6.30	4828.04	810.76	40.79	811.75	7.45
66	5,260	88.0	6.50	4829.88	842.50	44.35	843.65	8.15
67	5,330	91.5	6.30	4830.18	912.05	52.15	913.54	5.01
68	5,362	91.9	6.30	4829.23	943.85	55.66	945.49	1.25
69	5,393	90.8	6.20	4828.50	974.65	59.03	976.44	3.56
70	5,425	90.3	6.00	4828.20	1006.47	62.43	1008.40	1.68
71	5,457	90.5	6.30	4827.97	1038.29	65.86	1040.36	
72	5,489	90.8	6.40	4827.61	1070.09	69.40	1072.32	0.99
73	5,521	90.8	5.90	4827.16	1101.90	72.83	1104.28	1.56
74	5,616	91.3	5.90	4825.42	1196.38	82.59	1199.17	0.53
75	5,712	89.9	4.80	4824.42	1291.95	91.54	1295.10	1.85
76	5,807	90.2	4.80	4824.33	1386.62	99.49	1390.07	0.32
77	5,902	90.6	4.50	4823.67	1481.31	107.19	1485.04	0.53
78	5,997	91.0	4.60	4822.34	1576.00	114.73	1580.01	0.43
79	6,093	87.7	4.00	4823.43	1671.71	121.92	1675.98	3.49





SANDRIDGE
THE POWER OF US

RIG: Lariat 46

WELL: Cather 1-4H
LOCATION: 200' FSL & 660' FWL of 17-T35S-R7W
BHL: 200' FNL & 660' FWL of 8-T35S-R7W

Target Direction:	3.37 deg
North/South Hard Line:	
East/West Hard Line:	

6000
5000

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
80	6,124	87.9	4.10	4824.62	1702.61	124.11	1706.96	0.72
81	6,188	91.0	3.40	4825.24	1766.46	128.30	1770.94	4.97
82	6,220	90.1	3.20	4824.93	1798.40	130.14	1802.94	2.88
83	6,252	88.2	2.70	4825.40	1830.36	131.79	1834.94	6.14
84	6,284	88.0	3.00	4826.47	1862.30	133.38	1866.92	1.13
85	6,348	89.0	2.90	4828.14	1926.19	136.67	1930.89	1.57
86	6,379	91.6	3.70	4827.98	1957.14	138.45	1961.89	8.78
87	6,411	93.3	4.70	4826.61	1989.02	140.79	1993.85	6.16
88	6,443	92.3	3.50	4825.05	2020.90	143.08	2025.81	4.88
89	6,475	92.4	3.60	4823.74	2052.81	145.06	2057.79	0.44
90	6,507	91.3	2.60	4822.70	2084.75	146.79	2089.77	4.64
91	6,539	91.4	2.80	4821.95	2116.70	148.30	2121.76	0.70
92	6,571	89.9	2.90	4821.59	2148.66	149.89	2153.75	4.70
93	6,603	89.8	2.70	4821.67	2180.62	151.45	2185.75	0.70
94	6,667	90.2	2.40	4821.67	2244.56	154.30	2249.74	0.78
95	6,762	89.2	1.10	4822.17	2339.51	157.20	2344.70	1.73
96	6,858	87.0	359.60	4825.35	2435.45	157.78	2440.51	2.77
97	6,890	86.4	359.90	4827.19	2467.39	157.65	2472.39	2.10
98	6,922	87.6	359.90	4828.87	2499.35	157.59	2504.29	3.75
99	6,954	89.6	0.40	4829.65	2531.34	157.67	2536.23	6.44
100	7,017	91.5	0.60	4829.04	2594.33	158.22	2599.14	3.03
101	7,049	91.7	0.60	4828.15	2626.31	158.56	2631.09	0.62
102	7,081	91.8	0.80	4827.17	2658.30	158.95	2663.04	0.70
103	7,113	91.7	0.60	4826.20	2690.28	159.34	2694.99	0.70
104	7,145	91.8	0.60	4825.22	2722.26	159.67	2726.94	0.31
105	7,177	91.7	0.10	4824.24	2754.25	159.87	2758.88	1.59
106	7,241	91.6	0.40	4822.40	2818.22	160.15	2822.76	0.49
107	7,336	91.3	359.80	4819.99	2913.19	160.31	2917.58	0.71
108	7,432	91.6	359.30	4817.56	3009.15	159.56	3013.33	0.61
109	7,527	91.9	359.20	4814.66	3104.10	158.32	3108.04	0.33
110	7,623	92.4	358.80	4811.06	3200.02	156.64	3203.70	0.67
111	7,719	90.7	0.70	4808.47	3295.97	156.23	3299.46	2.68
112	7,814	90.8	1.10	4807.22	3390.95	157.72	3394.37	0.43
113	7,910	91.1	0.80	4805.63	3486.93	159.31	3490.27	0.44
114	7,974	90.2	1.60	4804.90	3550.91	160.65	3554.22	1.88
115	8,005	90.2	1.90	4804.80	3581.89	161.60	3585.20	0.97
116	8,101	90.6	1.90	4804.13	3677.84	164.78	3681.17	0.42
117	8,197	91.5	1.90	4802.37	3773.77	167.96	3777.12	0.94
118	8,229	91.8	1.90	4801.45	3805.74	169.02	3809.10	0.94
119	8,292	91.0	3.20	4799.91	3868.65	171.82	3872.07	2.42
120	8,388	91.0	4.00	4798.23	3964.45	177.85	3968.05	0.83
121	8,483	90.9	3.40	4796.66	4059.24	183.98	4063.04	0.64
122	8,579	89.8	2.60	4796.07	4155.10	189.00	4159.03	1.42
123	8,675	89.5	2.10	4796.66	4251.02	192.94	4255.02	0.61
124	8,770	89.1	1.40	4797.82	4345.97	195.84	4349.97	0.85
125	8,866	89.1	1.00	4799.32	4441.93	197.85	4445.89	0.42
126	8,961	89.2	1.90	4800.73	4536.89	200.26	4540.82	0.95
127	9,057	89.0	1.40	4802.24	4632.84	203.02	4636.77	0.56
128				4802.24	4632.84	203.02	4636.77	
129				4802.24	4632.84	203.02	4636.77	
130				4802.24	4632.84	203.02	4636.77	
131				4802.24	4632.84	203.02	4636.77	
132				4802.24	4632.84	203.02	4636.77	
133				4802.24	4632.84	203.02	4636.77	
134				4802.24	4632.84	203.02	4636.77	
135				4802.24	4632.84	203.02	4636.77	
136				4802.24	4632.84	203.02	4636.77	
137				4802.24	4632.84	203.02	4636.77	
138				4802.24	4632.84	203.02	4636.77	
139				4802.24	4632.84	203.02	4636.77	
140				4802.24	4632.84	203.02	4636.77	
141				4802.24	4632.84	203.02	4636.77	
142				4802.24	4632.84	203.02	4636.77	
143				4802.24	4632.84	203.02	4636.77	
144				4802.24	4632.84	203.02	4636.77	
145				4802.24	4632.84	203.02	4636.77	
146				4802.24	4632.84	203.02	4636.77	
147				4802.24	4632.84	203.02	4636.77	
148				4802.24	4632.84	203.02	4636.77	
149				4802.24	4632.84	203.02	4636.77	
150				4802.24	4632.84	203.02	4636.77	
151				4802.24	4632.84	203.02	4636.77	
152				4802.24	4632.84	203.02	4636.77	
153				4802.24	4632.84	203.02	4636.77	