

Operator: COG Operating
Well/Lease: Black Pearl 1 Federal 1H
County: Lea

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Footage</u>	<u>Degree</u>
312	0.30
555	0.10
950	0.30
1250	0.20
1567	0.40
1830	1.00
1949	0.40
2488	1.10
2773	1.20
3059	2.60
3344	2.50
3609	1.60
3926	1.20
4210	0.90
4516	0.80
4802	0.40
5094	0.50
5377	0.90
5685	0.40
6002	0.30
6329	0.30
6898	0.70
7204	0.70
7522	0.30
7817	0.50
8102	0.60
8440	0.30
8694	0.40
8976	1.27
9375	1.10
9610	0.90
10177	0.80
10472	3.10

HOBBS OCD

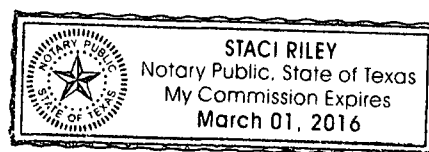
MAR 16 2015

RECEIVED

Signed By: Charles Walsh
Charles Walsh, Division Manager
Pioneer Drilling Company

Appeared before me on Jan 26, 2015.

Staci Riley
Notary Public



MAR 26 2015



January 13, 2015

Concho Resources, Inc.
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

HOBBS OCD

MAR 16 2015

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Attn: Kanicia Castillo

RE: **Black Pearl 1 Federal Com 1H**

Please find enclosed a copy of the survey from 0.00' to 10340.00' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

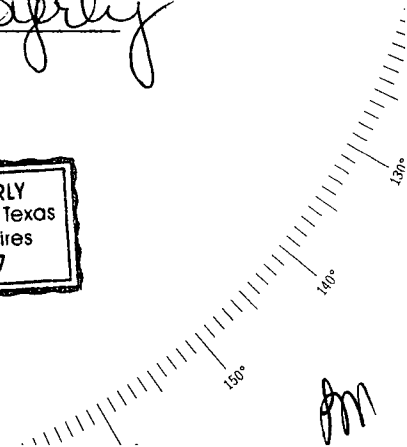
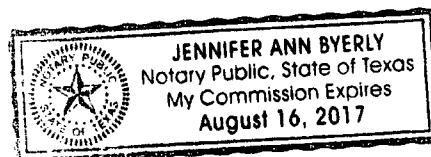
STATE OF TEXAS §

§

COUNTY OF NUECES §

This instrument was acknowledged before me on the 13 day of January A.D., 2015, by Keith Havelka.

Jennifer Ann Byerly
Notary Public, State of Texas





Company: COG OPERATING
Lease/Well: BLACK PEARL 1 FEDERAL COM/1H

Rig Name: PIONEER #20
State/County: NEW MEXICO/LEA
Latitude: 32.61, Longitude: -103.51
GRID North is 0.44 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB: 17 FEET

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 1/13/2015 / 14:15

HOBBS OCD

MAR 16 2015

VES Survey International
West Texas
(432) 563-5444
Surveyor: Jordan Shelleby
Black Pearl 1 Federal Com 1H / API 30-025-42292

RECEIVED

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.45	18.43	100.00	0.38	0.13	0.38	0.40	18.43	0.45
200.00	0.58	51.93	200.00	1.06	0.65	1.06	1.24	31.35	0.32
300.00	0.50	13.95	299.99	1.80	1.15	1.80	2.13	32.58	0.36
400.00	0.49	322.46	399.99	2.56	0.99	2.56	2.75	21.21	0.43
500.00	0.43	326.41	499.98	3.21	0.52	3.21	3.26	9.26	0.06
600.00	0.25	246.02	599.98	3.44	0.12	3.44	3.45	1.97	0.46
700.00	0.35	340.27	699.98	3.65	-0.18	3.65	3.65	357.15	0.45
800.00	0.42	125.42	799.98	3.73	0.01	3.73	3.73	0.23	0.74
900.00	0.39	110.25	899.98	3.39	0.64	3.39	3.45	10.63	0.11
1000.00	0.26	285.16	999.98	3.33	0.74	3.33	3.41	12.52	0.65
1100.00	0.41	260.01	1099.98	3.33	0.17	3.33	3.33	2.91	0.21
1200.00	0.46	207.43	1199.97	2.91	-0.37	2.91	2.93	352.77	0.39
1300.00	0.21	128.20	1299.97	2.44	-0.41	2.44	2.47	350.46	0.47
1400.00	0.38	197.52	1399.97	2.01	-0.37	2.01	2.04	349.71	0.36
1500.00	0.07	81.65	1499.97	1.70	-0.40	1.70	1.75	346.74	0.42
1600.00	0.49	177.75	1599.97	1.29	-0.32	1.29	1.33	345.96	0.50
1700.00	0.30	212.21	1699.97	0.65	-0.44	0.65	0.78	325.56	0.29
1800.00	0.79	222.48	1799.96	-0.08	-1.05	-0.08	1.05	265.66	0.50

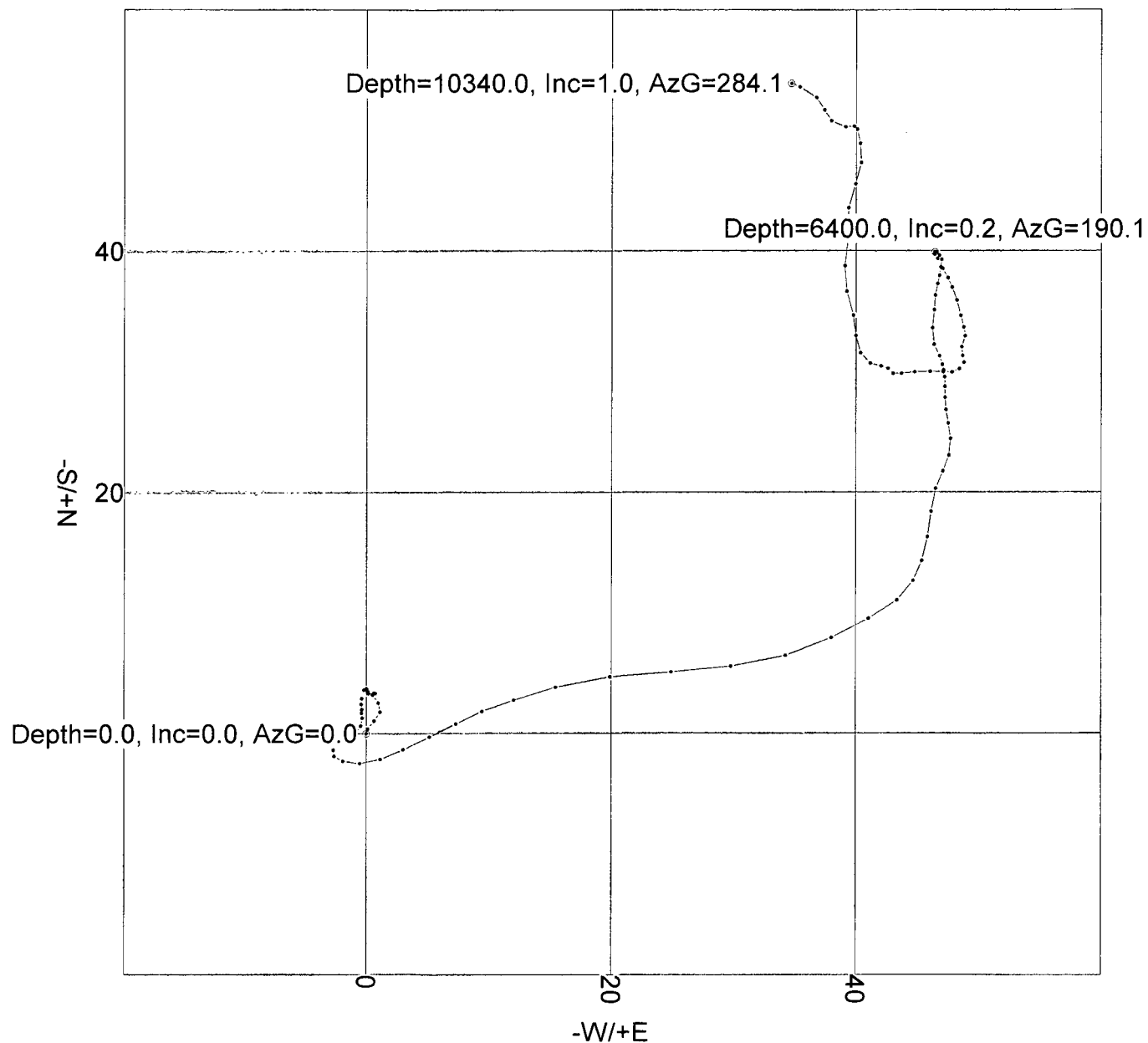
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.66	251.63	1899.95	-0.77	-2.06	-0.77	2.20	249.52	0.39
2000.00	0.49	194.38	1999.95	-1.36	-2.71	-1.36	3.03	243.33	0.57
2100.00	0.24	121.20	2099.95	-1.88	-2.63	-1.88	3.24	234.44	0.48
2200.00	0.71	120.12	2199.95	-2.30	-1.92	-2.30	2.99	219.79	0.46
2300.00	0.99	82.26	2299.93	-2.49	-0.53	-2.49	2.55	191.91	0.61
2400.00	0.99	74.11	2399.92	-2.14	1.17	-2.14	2.44	151.43	0.14
2500.00	1.33	60.47	2499.90	-1.33	3.01	-1.33	3.29	113.91	0.43
2600.00	1.44	68.08	2599.87	-0.29	5.18	-0.29	5.19	93.23	0.22
2700.00	1.33	59.16	2699.84	0.77	7.35	0.77	7.39	83.99	0.24
2800.00	1.40	68.09	2799.81	1.82	9.48	1.82	9.65	79.10	0.22
2900.00	1.76	71.93	2899.77	2.76	12.07	2.76	12.38	77.13	0.37
3000.00	2.34	72.76	2999.71	3.84	15.48	3.84	15.95	76.07	0.58
3100.00	2.82	83.91	3099.61	4.70	19.88	4.70	20.43	76.68	0.69
3200.00	2.93	87.20	3199.48	5.09	24.87	5.09	25.39	78.43	0.20
3300.00	2.73	81.23	3299.36	5.58	29.78	5.58	30.29	79.39	0.36
3400.00	2.55	75.99	3399.26	6.48	34.29	6.48	34.89	79.30	0.30
3500.00	2.12	59.24	3499.17	7.96	38.04	7.96	38.86	78.17	0.80
3600.00	1.80	66.01	3599.12	9.55	41.06	9.55	42.15	76.91	0.40
3700.00	1.41	45.27	3699.08	11.05	43.37	11.05	44.75	75.70	0.69
3800.00	1.00	29.94	3799.05	12.68	44.68	12.68	46.44	74.16	0.52
3900.00	1.06	17.19	3899.04	14.32	45.39	14.32	47.60	72.49	0.24
4000.00	1.25	9.11	3999.02	16.28	45.83	16.28	48.64	70.45	0.25
4100.00	1.20	6.55	4099.00	18.39	46.13	18.39	49.66	68.26	0.07
4200.00	1.02	16.19	4198.98	20.29	46.49	20.29	50.73	66.43	0.26
4300.00	0.78	29.65	4298.96	21.73	47.08	21.73	51.85	65.22	0.32
4400.00	0.84	10.92	4398.95	23.05	47.56	23.05	52.85	64.15	0.27
4500.00	0.77	0.46	4498.94	24.44	47.70	24.44	53.60	62.87	0.16
4600.00	0.73	342.13	4598.94	25.72	47.51	25.72	54.02	61.57	0.24
4700.00	0.59	359.78	4698.93	26.83	47.31	26.83	54.39	60.44	0.24
4800.00	0.57	353.87	4798.92	27.84	47.26	27.84	54.85	59.49	0.06
4900.00	0.48	3.98	4898.92	28.76	47.23	28.76	55.30	58.66	0.13
5000.00	0.43	352.02	4998.92	29.55	47.21	29.55	55.70	57.96	0.11
5100.00	0.21	348.70	5098.92	30.10	47.12	30.10	55.92	57.43	0.22
5200.00	0.36	347.94	5198.91	30.59	47.02	30.59	56.10	56.96	0.14
5300.00	0.49	338.26	5298.91	31.29	46.80	31.29	56.29	56.24	0.15
5400.00	0.71	332.95	5398.91	32.23	46.36	32.23	56.46	55.19	0.23
5500.00	0.98	9.73	5498.90	33.63	46.22	33.63	57.16	53.96	0.59
5600.00	0.72	0.56	5598.88	35.10	46.38	35.10	58.16	52.88	0.30
5700.00	0.69	7.75	5698.88	36.32	46.46	36.32	58.97	51.99	0.09

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.44	14.67	5798.87	37.29	46.64	37.29	59.71	51.36	0.26
5900.00	0.35	8.18	5898.87	37.96	46.78	37.96	60.24	50.95	0.10
6000.00	0.46	10.73	5998.87	38.65	46.90	38.65	60.77	50.51	0.11
6100.00	0.26	358.47	6098.87	39.27	46.97	39.27	61.22	50.10	0.21
6200.00	0.24	303.09	6198.86	39.61	46.79	39.61	61.30	49.74	0.23
6300.00	0.21	334.27	6298.86	39.89	46.53	39.89	61.29	49.39	0.12
6400.00	0.19	190.08	6398.86	39.89	46.43	39.89	61.21	49.33	0.38
6500.00	0.03	255.41	6498.86	39.72	46.37	39.72	61.06	49.42	0.18
6600.00	0.53	141.76	6598.86	39.35	46.64	39.35	61.02	49.84	0.54
6700.00	0.56	163.86	6698.86	38.52	47.06	38.52	60.81	50.70	0.21
6800.00	0.47	137.20	6798.85	37.75	47.47	37.75	60.65	51.51	0.25
6900.00	0.56	170.79	6898.85	36.97	47.83	36.97	60.45	52.30	0.31
7000.00	0.76	151.16	6998.84	35.90	48.23	35.90	60.12	53.33	0.30
7100.00	0.77	181.47	7098.84	34.64	48.53	34.64	59.63	54.48	0.40
7200.00	0.46	136.37	7198.83	33.68	48.79	33.68	59.28	55.38	0.56
7300.00	0.53	200.29	7298.83	32.96	48.90	32.96	58.97	56.02	0.53
7400.00	0.57	193.54	7398.82	32.03	48.62	32.03	58.22	56.62	0.08
7500.00	0.34	142.83	7498.82	31.31	48.68	31.31	57.88	57.25	0.44
7600.00	0.40	188.65	7598.82	30.74	48.81	30.74	57.68	57.80	0.29
7700.00	0.42	242.29	7698.82	30.22	48.43	30.22	57.08	58.03	0.37
7800.00	0.34	248.06	7798.81	29.94	47.82	29.94	56.42	57.95	0.10
7900.00	0.55	288.93	7898.81	29.99	47.09	29.99	55.83	57.51	0.37
8000.00	0.69	256.56	7998.80	30.00	46.05	30.00	54.96	56.91	0.37
8100.00	0.78	277.97	8098.80	29.96	44.79	29.96	53.88	56.22	0.28
8200.00	0.52	242.29	8198.79	29.84	43.71	29.84	52.93	55.68	0.46
8300.00	0.40	309.98	8298.79	29.85	43.04	29.85	52.38	55.26	0.52
8400.00	0.28	318.39	8398.79	30.25	42.62	30.25	52.26	54.63	0.12
8500.00	0.45	271.65	8498.78	30.45	42.06	30.45	51.92	54.10	0.33
8600.00	0.63	294.26	8598.78	30.69	41.17	30.69	51.34	53.30	0.28
8700.00	0.79	335.46	8698.77	31.54	40.38	31.54	51.24	52.00	0.52
8800.00	0.91	353.71	8798.76	32.96	40.00	32.96	51.83	50.51	0.30
8900.00	1.04	352.32	8898.75	34.66	39.79	34.66	52.77	48.95	0.13
9000.00	1.34	338.77	8998.73	36.64	39.25	36.64	53.70	46.97	0.41
9100.00	1.22	15.24	9098.70	38.76	39.11	38.76	55.06	45.25	0.81
9200.00	1.49	358.56	9198.67	41.09	39.35	41.09	56.89	43.76	0.48
9300.00	1.31	3.75	9298.64	43.53	39.39	43.53	58.71	42.14	0.23
9400.00	1.13	29.79	9398.62	45.52	39.96	45.52	60.57	41.27	0.58
9500.00	1.04	358.37	9498.61	47.29	40.42	47.29	62.21	40.52	0.59
9600.00	0.78	355.79	9598.59	48.87	40.35	48.87	63.37	39.54	0.26

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
9700.00	0.62	339.10	9698.59	50.05	40.10	50.05	64.14	38.70	0.26
9800.00	0.30	199.70	9798.58	50.31	39.82	50.31	64.16	38.36	0.87
9900.00	0.73	287.72	9898.58	50.25	39.13	50.25	63.69	37.91	0.78
10000.00	0.70	299.81	9998.57	50.75	37.99	50.75	63.39	36.82	0.15
10100.00	0.71	355.72	10098.57	51.67	37.42	51.67	63.80	35.91	0.66
10200.00	0.82	303.39	10198.56	52.69	36.77	52.69	64.25	34.91	0.68
10300.00	1.07	302.59	10298.55	53.58	35.38	53.58	64.21	33.44	0.25
10340.00	1.05	284.09	10338.54	53.87	34.72	53.87	64.09	32.80	0.85



VES Survey International
West Texas
(432) 563-5444
Surveyor: Jordan Shelleby
Black Pearl 1 Federal Com 1H / API 30-025-42292



VES Survey Date: 12/25/2014



HOBBS OCD

MAR 16 2015

RECEIVED

State of New Mexico
County of Lea

I, Michael K. Baber, certify that: I am employed by Terra Directional Services LLC; that I did on the day(s) of 12/14/2014 through 01/05/2015 conduct or supervise the taking of a MWD survey from a depth of 10409 feet to a depth 15582 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Terra Directional Services LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Concho Oil & Gas for the Black Pearl 1 Federal #1H Well API 30-025-42292 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Terra Directional Services LLC.

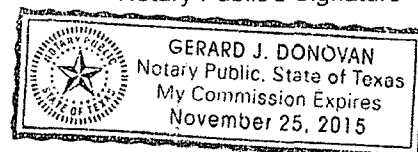
Michael K. Baber
MWD Operations Manager

State of Texas

County of Montgomery

Before me, a notary public, on this day personally appeared MICHAEL BABER, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.

Notary Public's Signature





Customer Name: COG Operating, LLC
 Well Name: Black Pearl 1 Federal
 API Number: 30-025-42292
 County / Parish: 26 miles west of Hobb

M.W.D. Operator: Michael Sakas
 Directional Driller: Chad Moore
 Total Magnetic Correction: 6.79
 Job #: NM-498

Vertical Section: 175.66

Tie In Survey(s) Provided By:

	Meas. Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	Dist.	Angle	DLS
Tie - In										
0	10340.00	1.05	284.09	10338.54	-51.09	53.87	34.72	64.09	32.80	0.00
1	10409.00	1.20	277.60	10407.53	-51.44	54.12	33.39	63.59	31.67	0.28
2	10441.00	0.80	244.40	10439.52	-51.43	54.07	32.86	63.27	31.29	2.15
3	10472.00	3.10	171.00	10470.50	-50.51	53.15	32.79	62.45	31.68	9.59
4	10504.00	7.20	163.90	10502.37	-47.68	50.36	33.48	60.48	33.62	12.94
5	10536.00	12.00	163.00	10533.91	-42.47	45.25	35.01	57.22	37.73	15.01
6	10567.00	15.50	165.80	10564.02	-35.25	38.15	36.97	53.13	44.10	11.49
7	10599.00	18.60	166.00	10594.61	-26.00	29.05	39.26	48.84	53.50	9.69
8	10631.00	21.70	165.90	10624.65	-15.14	18.36	41.93	45.78	66.35	9.69
9	10662.00	24.30	169.90	10653.18	-3.14	6.52	44.45	44.92	81.65	9.78
10	10694.00	26.40	173.30	10682.10	10.52	-7.03	46.43	46.96	98.61	7.98
11	10725.00	28.50	175.70	10709.61	24.81	-21.25	47.79	52.30	113.97	7.66
12	10757.00	31.30	175.20	10737.35	40.76	-37.15	49.06	61.54	127.13	8.78
13	10789.00	35.20	174.70	10764.10	58.30	-54.62	50.61	74.47	137.18	12.22
14	10821.00	39.40	174.20	10789.55	77.68	-73.92	52.49	90.66	144.62	13.16
15	10852.00	43.30	172.80	10812.82	98.14	-94.26	54.82	109.04	149.82	12.93
16	10884.00	47.50	173.20	10835.28	120.90	-116.87	57.59	130.29	153.77	13.16
17	10916.00	51.00	175.70	10856.17	145.13	-141.00	59.92	153.20	156.98	12.43
18	10948.00	54.60	178.90	10875.52	170.59	-166.45	61.10	177.31	159.84	13.78
19	10979.00	58.50	180.00	10892.60	196.40	-192.31	61.35	201.85	162.31	12.92
20	11011.00	62.10	178.40	10908.46	224.13	-220.09	61.74	228.59	164.33	12.06
21	11043.00	66.00	175.90	10922.46	252.89	-248.82	63.18	256.72	165.75	14.07
22	11076.00	70.50	174.00	10934.68	283.53	-279.34	65.89	287.01	166.73	14.65
23	11107.00	74.90	173.90	10943.90	313.11	-308.77	69.00	316.39	167.40	14.20
24	11140.00	77.90	174.30	10951.66	345.16	-340.67	72.30	348.26	168.02	9.17
25	11172.00	78.60	174.30	10958.18	376.48	-371.84	75.41	379.41	168.54	2.19
26	11204.00	79.70	174.90	10964.20	407.91	-403.13	78.37	410.68	169.00	3.90
27	11236.00	79.70	174.80	10969.92	439.39	-434.49	81.20	442.01	169.41	0.31
28	11268.00	79.60	174.70	10975.67	470.86	-465.84	84.08	473.36	169.77	0.44
29	11299.00	81.50	174.70	10980.76	501.44	-496.28	86.90	503.83	170.07	6.13
30	11331.00	84.50	174.00	10984.66	533.19	-527.89	90.03	535.51	170.32	9.62
31	11363.00	85.60	173.70	10987.42	565.05	-559.58	93.44	567.33	170.52	3.56
32	11395.00	86.30	174.00	10989.68	596.95	-591.32	96.86	599.20	170.70	2.38
33	11426.00	87.50	174.30	10991.36	627.90	-622.11	100.02	630.10	170.87	3.99
34	11458.00	87.60	174.40	10992.72	659.86	-653.93	103.17	662.02	171.03	0.44
35	11489.00	87.60	174.30	10994.02	690.82	-684.75	106.21	692.94	171.18	0.32
36	11552.00	87.90	173.90	10996.50	753.75	-747.37	112.69	755.82	171.43	0.79
37	11648.00	90.10	174.00	10998.17	849.69	-842.81	122.80	851.71	171.71	2.29
38	11743.00	91.20	176.30	10997.09	944.67	-937.46	130.83	946.54	172.06	2.68
39	11837.00	90.10	176.50	10996.03	1038.66	-1031.27	136.73	1040.29	172.45	1.19
40	11932.00	89.10	176.70	10996.62	1133.64	-1126.10	142.37	1135.06	172.79	1.07
41	12027.00	89.30	176.70	10998.02	1228.62	-1220.93	147.84	1229.85	173.10	0.21
42	12122.00	87.80	174.80	11000.42	1323.58	-1315.63	154.87	1324.71	173.29	2.55
43	12216.00	88.20	176.20	11003.70	1417.52	-1409.28	162.24	1418.59	173.43	1.55
44	12311.00	88.10	176.90	11006.77	1512.46	-1504.06	167.96	1513.41	173.63	0.74

45	12406.00	90.70	178.40	11007.76	1607.38	-1598.96	171.85	1608.17	173.87	3.16
46	12500.00	91.60	178.00	11005.88	1701.27	-1692.90	174.80	1701.90	174.10	1.05
47	12596.00	90.80	177.80	11003.87	1797.17	-1788.81	178.32	1797.68	174.31	0.86
48	12691.00	90.20	177.70	11003.04	1892.11	-1883.73	182.05	1892.51	174.48	0.64
49	12786.00	90.30	177.30	11002.62	1987.06	-1978.64	186.19	1987.38	174.62	0.43
50	12881.00	90.10	176.90	11002.29	2082.03	-2073.52	191.00	2082.30	174.74	0.47
51	12976.00	89.00	177.60	11003.04	2176.98	-2168.40	195.56	2177.20	174.85	1.37
52	13071.00	89.10	177.30	11004.61	2271.93	-2263.30	199.78	2272.10	174.96	0.33
53	13166.00	89.10	177.10	11006.10	2366.88	-2358.17	204.42	2367.02	175.05	0.21
54	13261.00	89.30	177.30	11007.43	2461.84	-2453.05	209.06	2461.94	175.13	0.30
55	13356.00	89.10	177.30	11008.76	2556.79	-2547.93	213.54	2556.87	175.21	0.21
56	13450.00	89.80	177.00	11009.66	2650.75	-2641.81	218.21	2650.81	175.28	0.81
57	13545.00	90.50	177.10	11009.41	2745.72	-2736.69	223.10	2745.76	175.34	0.74
58	13640.00	90.90	176.80	11008.25	2840.69	-2831.54	228.16	2840.72	175.39	0.53
59	13736.00	88.80	177.00	11008.50	2936.66	-2927.40	233.35	2936.68	175.44	2.20
60	13831.00	88.90	176.70	11010.41	3031.62	-3022.23	238.57	3031.64	175.49	0.33
61	13926.00	88.70	176.30	11012.40	3126.59	-3117.04	244.37	3126.60	175.52	0.47
62	14021.00	88.90	176.20	11014.39	3221.57	-3211.81	250.58	3221.57	175.54	0.24
63	14116.00	89.10	176.20	11016.05	3316.55	-3306.59	256.87	3316.55	175.56	0.21
64	14212.00	89.40	176.70	11017.30	3412.53	-3402.40	262.82	3412.53	175.58	0.61
65	14307.00	89.40	176.60	11018.30	3507.51	-3497.23	268.37	3507.51	175.61	0.11
66	14402.00	89.00	175.90	11019.62	3602.49	-3592.02	274.58	3602.49	175.63	0.85
67	14498.00	89.10	175.50	11021.21	3698.48	-3687.73	281.78	3698.48	175.63	0.43
68	14593.00	89.10	175.30	11022.71	3793.47	-3782.41	289.39	3793.47	175.62	0.21
69	14688.00	89.30	175.60	11024.03	3888.46	-3877.11	296.93	3888.46	175.62	0.38
70	14782.00	90.40	176.20	11024.28	3982.45	-3970.86	303.65	3982.46	175.63	1.33
71	14877.00	90.80	176.00	11023.28	4077.45	-4065.64	310.11	4077.45	175.64	0.47
72	14972.00	91.00	175.80	11021.79	4172.43	-4160.38	316.90	4172.43	175.64	0.30
73	15067.00	91.10	175.60	11020.05	4267.42	-4255.10	324.02	4267.42	175.65	0.24
74	15161.00	91.60	175.50	11017.84	4361.39	-4348.79	331.32	4361.39	175.64	0.54
75	15256.00	89.80	174.60	11016.68	4456.37	-4443.42	339.51	4456.37	175.63	2.12
76	15351.00	89.90	174.00	11016.92	4551.35	-4537.95	348.95	4551.35	175.60	0.64
77	15477.00	90.60	174.20	11016.38	4677.30	-4663.28	361.90	4677.30	175.56	0.58
78	15533.00	90.70	174.00	11015.74	4733.27	-4718.98	367.66	4733.28	175.55	0.40
PTB	15582.00	90.70	174.00	11015.14	4782.25	-4767.71	372.78	4782.26	175.53	0.00

