

Results of Directional Survey

API number:	30-025-40742		
OGRID:		Operator:	NEARBURG PRODUCING CO
		Property:	LAGUNA 23 FEDERAL COM # 1H

surface	ULSTR:	N	23	T	20S	R	34E
				330	FSL	1980	FWL

BH Loc	ULSTR:	C	23	T	20S	R	34E
15497	MD	10874.4	TVD	335	FNL	1937	FWL
				4945	FSL		

Top Perf/OH	ULSTR:	N	23	T	20S	R	34E
11200	MD	11024.7	TVD	661	FSL	1981	FWL

Bot Perf/OH	ULSTR:	C	23	T	20S	R	34E
15420	MD	10878.3	TVD	412	FNL	1940	FWL
				4868	FSL		

	MD	N/S	E/W	VD
	11185	317.41	0.16	11019.56
TOP PERFS/OH	11200	331.48	1.02	11024.68
	11217	347.43	2.00	11030.48
	15338	4456.56	-37.88	10882.19
BOT PERFS/OH	15420	4538.44	-40.24	10878.28
	15424	4542.43	-40.36	10878.09

NEXT TO LAST	15424	4542.43	-40.36	10878.09
LAST READING	15497	4615.30	-42.57	10874.41
TD	15497	4615.30	-42.57	10874.41

Surface Location	330	FS	1980	FW
Projected BHL	4945	FS	1937	FW
Location of				
Top Perfs/OH	661	FS	1981	FW
Bottom Perfs/OH	4868	FS	1940	FW

SUMMARY of Subsurface Locations

Surface Location	N-23-20S-34E	330	FS	1980	FW	Vert. Depth
Top Perfs/OH	N-23-20S-34E	661	FS	1981	FW	11024.68
Bottom Perfs/OH	C-23-20S-34E	4868	FS	1940	FW	10878.28
Projected TD	C-23-20S-34E	4945	FS	1937	FW	10874.41

DEC 02 2018

Oilfield Services, Central U.S. Land

Schlumberger

Reservoir Development
Drilling & Measurements (Anadrill)
4301 SW 44th St
Oklahoma City, Oklahoma 73119 USA
Phone: (405) 682-2284
Fax: (405) 682-3937

September 12, 2013

Nearburg Producing Company
3300 N. A Street, Bldg. 2 Suite 120
Midland, TX 79705

Re:

N-23-20S-34E 330 FSL & 1980 FWL
N 32.55215 W 103.53259

CLIENT: Nearburg Producing Company
WELL: Laguna 23 Federal Com 1H
FIELD: Lea; Bone Spring, South
RIG: Cactus 104
COUNTY: Lea
API NO: 30-025-40742
JOB NO: 13MLD0379

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation.
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Julie Schmautz MWD	Laguna 23 Federal Com 1H Original Hole	10617.00 to 15424.00 Ft	September 5, 2013 to September 10, 2013	SlimPulse

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Jasem Alharer
Field Service Manager

Reservoir Development

Drilling & Measurements (Anadrill)

4301 SW 44th St

Oklahoma City, Oklahoma 73119 USA

Phone: (405) 682-2284

Fax: (405) 682-3937

Well Reference:

N-23-20S-34E 330 FSL & 1980 FWL

N 32.55215 W 103.53259

I, Julie Schmautz, certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of September 05, 2013 through September 10, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 10617.00 feet to a depth of 15424.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Nearburg Producing Company for the Laguna 23 Federal Com. 1H Well (Original Hole) API No. 30-025-40742 and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By Julie Schmautz
Julie Schmautz
MWD

Subscribed and Sworn to before me this 12th day of September (month) 2013 (yr)

My Commission expires:

September 5, 2016

Michelle Ellwood

Notary Public

Midland, Tx
(County State)



SCHLUMBERGER

Survey Report

19-Sep-2013

Client..... Nearburg Producing Company
Field..... Lea; Bone Spring, South

Well..... Laguna 23 Federal Com 1H
API number..... 30-025-40742
Engineer..... J. Schmautz

County..... Lea County
State..... New Mexico
Rig..... Cactus 104

Spud date..... 17-Aug-13
Last survey date..... 10-Sep-13
Total accepted surveys..... 181
MD of first survey..... 10617.00 ft
MD of last survey..... 15424.00 ft

Latitude..... 32° 33' 7.732" N
Longitude..... 103° 31' 57.33" W

--- Survey calculation methods ---

Method for positions..... Minimum curvature
Method for DLS..... Lubinski

--- Depth reference ---

Permanent datum..... MSL
Depth reference..... Driller's Depth
GL above permanent..... 3683.00
KB above permanent..... 3703.00
DF above permanent..... 3703.00

--- Vertical section origin ---

Latitude (+N/S-)..... 0.00 ft.
Departure (+E/W-)..... 0.00 ft.

--- Grid Coordinates ---

NAD27 Texas State Plane, Central Zone, US Feet
X..... 746730.10 ft
Y..... 565511.20 ft

Azimuth from Vsect Origin to target: 359.53 degrees

----- MWD Survey Reference Criteria -----

---Run1--- Calculation Date: 3-Sep-2013
Location G..... 998.94325 mgn Tolerance G..... 2.50 mgn
Location B..... 48560.78 nT Tolerance B..... 300.00 nT
Magnetic Dip: 60.4004 degrees Tolerance Dip: 0.45 degrees

---Run2--- Calculation Date: 7-Sep-2013
Location G..... 998.94325 mgn Tolerance G..... 2.50 mgn
Location B..... 48591.44 nT Tolerance B..... 300.00 nT
Magnetic Dip: 60.435 degrees Tolerance Dip: 0.45 degrees

BGGIM Model: 2013

---Run1---
Magnetic dec (+E/W-)..... 7.4273 degrees
Grid Conv (+E/W-)..... 0.4273 degrees
Total Azim Corr (+E/W-)..... 7 degrees

---Run2---
Magnetic dec (+E/W-)..... 7.433 degrees
Grid Conv (+E/W-)..... 0.433 degrees
Total Azim Corr (+E/W-)..... 7 degrees

----- Survey Correction Index Description -----

0 = Uncorrected 1 = Sag Corrected
2 = DMAG Corrected 3 = Sag + DMAG Corrected

Survey List													
Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azl (deg)	DLS (deg/100ft)	Tool	Correction
1	0.00	0.00	0.00	-999.25	0.00	0.00	0.00	0.00	0	90.00	0.00	TIP	0
2	143.40	0.67	127.44	143.40	143.40	-0.52	-0.51	0.67	0.84	127.44	0.47	GyroTool	0
3	239.04	0.62	133.15	95.64	239.03	-1.22	-1.20	1.49	1.91	128.98	0.09	GyroTool	0
4	334.68	0.63	133.51	95.64	334.66	-1.94	-1.92	2.25	2.95	130.52	0.01	GyroTool	0
5	430.32	0.59	128.95	95.64	430.30	-2.62	-2.59	3.01	3.97	130.72	0.07	GyroTool	0
6	525.96	0.46	138.63	95.64	525.94	-3.22	-3.19	3.65	4.84	131.16	0.16	GyroTool	0
7	621.60	0.42	136.63	95.64	621.57	-3.77	-3.73	4.14	5.57	132.02	0.04	GyroTool	0
8	717.24	0.53	136.09	95.64	717.21	-4.34	-4.31	4.69	6.37	132.56	0.12	GyroTool	0
9	812.88	0.30	146.06	95.64	812.85	-4.87	-4.83	5.14	7.05	133.25	0.25	GyroTool	0
10	908.52	0.27	164.36	95.64	908.49	-5.30	-5.26	5.34	7.49	134.57	0.10	GyroTool	0
11	1004.16	0.22	160.48	95.64	1004.12	-5.69	-5.65	5.46	7.85	135.97	0.06	GyroTool	0
12	1099.80	0.15	144.01	95.64	1099.76	-5.97	-5.92	5.59	8.14	136.63	0.09	GyroTool	0
13	1195.44	0.04	70.49	95.64	1195.40	-6.06	-6.01	5.70	8.28	136.53	0.15	GyroTool	0
14	1291.08	0.02	359.79	95.64	1291.04	-6.03	-5.98	5.73	8.28	136.24	0.04	GyroTool	0

15	1386.72	0.23	257.75	95.64	1386.68	-6.05	-6.01	5.54	8.17	137.31	0.25	GyroTool	0
16	1482.36	0.47	259.95	95.64	1482.32	-6.16	-6.12	4.97	7.88	140.91	0.25	GyroTool	0
17	1578.00	0.45	240.78	95.64	1577.96	-6.40	-6.37	4.25	7.66	146.26	0.16	GyroTool	0
18	1609.00	0.33	233.90	31.00	1608.96	-6.51	-6.48	4.08	7.66	147.83	0.41	GyroTool	0
19	1714.00	0.22	200.27	105.00	1713.96	-6.88	-6.85	3.76	7.81	151.22	0.18	GyroTool	0
20	1808.00	0.31	180.80	94.00	1807.96	-7.30	-7.27	3.70	8.16	153.06	0.13	GyroTool	0
21	1904.00	0.31	179.00	96.00	1903.95	-7.82	-7.79	3.70	8.62	154.62	0.01	GyroTool	0
22	1999.00	0.31	168.80	95.00	1998.95	-8.33	-8.30	3.75	9.11	155.68	0.06	GyroTool	0
23	2094.00	0.22	182.30	95.00	2093.95	-8.76	-8.73	3.79	9.52	156.52	0.11	GyroTool	0
24	2189.00	0.09	166.21	95.00	2188.95	-9.02	-8.99	3.80	9.76	157.06	0.14	GyroTool	0
25	2284.00	0.22	149.20	95.00	2283.95	-9.25	-9.22	3.91	10.01	156.99	0.14	GyroTool	0
26	2379.00	0.22	174.30	95.00	2378.95	-9.59	-9.56	4.03	10.37	157.15	0.10	GyroTool	0
27	2474.00	0.22	159.18	95.00	2473.95	-9.94	-9.91	4.11	10.73	157.47	0.06	GyroTool	0
28	2568.00	0.22	154.87	94.00	2567.95	-10.27	-10.24	4.25	11.09	157.46	0.02	GyroTool	0
29	2663.00	0.09	162.87	95.00	2662.95	-10.51	-10.48	4.35	11.34	157.45	0.14	GyroTool	0
30	2758.00	0.22	125.87	95.00	2757.95	-10.69	-10.65	4.52	11.57	157.01	0.17	GyroTool	0
31	2853.00	0.40	102.80	95.00	2852.95	-10.88	-10.83	4.99	11.93	155.27	0.23	GyroTool	0
32	2949.00	0.62	100.91	96.00	2948.94	-11.05	-11.01	5.83	12.45	152.10	0.23	GyroTool	0
33	3044.00	0.62	91.68	95.00	3043.94	-11.18	-11.12	6.85	13.06	148.38	0.11	GyroTool	0
34	3140.00	0.79	87.37	96.00	3139.93	-11.17	-11.10	8.03	13.7	144.14	0.19	GyroTool	0
35	3235.00	0.79	92.21	95.00	3234.92	-11.18	-11.10	9.33	14.5	139.94	0.07	GyroTool	0
36	3330.00	0.88	90.89	95.00	3329.91	-11.22	-11.14	10.72	15.46	136.09	0.10	GyroTool	0
37	3425.00	0.88	86.19	95.00	3424.90	-11.20	-11.10	12.18	16.48	132.35	0.08	GyroTool	0
38	3520.00	0.88	84.47	95.00	3519.89	-11.09	-10.98	13.63	17.5	128.85	0.03	GyroTool	0
39	3612.00	0.88	81.79	92.00	3611.88	-10.93	-10.81	15.03	18.52	125.72	0.04	GyroTool	0
40	3707.00	1.01	80.47	95.00	3706.87	-10.70	-10.57	16.58	19.66	122.51	0.14	GyroTool	0
41	3802.00	1.10	82.80	95.00	3801.85	-10.47	-10.32	18.31	21.02	119.40	0.10	GyroTool	0
42	3897.00	1.19	77.71	95.00	3896.83	-10.16	-9.99	20.18	22.52	116.34	0.14	GyroTool	0
43	3992.00	1.32	74.98	95.00	3991.81	-9.68	-9.50	22.20	24.15	113.16	0.15	GyroTool	0
44	4088.00	1.32	80.87	96.00	4087.78	-9.24	-9.04	24.36	25.98	110.35	0.14	GyroTool	0
45	4182.00	1.32	80.69	94.00	4181.76	-8.91	-8.69	26.50	27.89	108.15	0.00	GyroTool	0
46	4278.00	1.32	85.88	96.00	4277.73	-8.67	-8.43	28.69	29.9	106.37	0.12	GyroTool	0
47	4465.00	1.32	83.99	187.00	4464.68	-8.32	-8.05	32.98	33.95	103.72	0.02	GyroTool	0
48	4560.00	1.49	84.78	95.00	4559.65	-8.11	-7.82	35.30	36.16	102.50	0.18	GyroTool	0
49	4656.00	1.19	89.09	96.00	4655.63	-8.00	-7.69	37.54	38.32	101.58	0.33	GyroTool	0
50	4750.00	0.88	95.99	94.00	4749.61	-8.08	-7.75	39.23	39.99	101.18	0.35	GyroTool	0
51	4845.00	0.88	97.70	95.00	4844.60	-8.26	-7.93	40.68	41.45	101.03	0.03	GyroTool	0
52	4940.00	0.88	94.27	95.00	4939.59	-8.42	-8.08	42.13	42.9	100.86	0.06	GyroTool	0
53	5036.00	0.22	242.90	96.00	5035.59	-8.57	-8.22	42.70	43.49	100.89	1.12	GyroTool	0
54	5130.00	0.31	239.60	94.00	5129.59	-8.78	-8.43	42.32	43.15	101.26	0.10	GyroTool	0
55	5225.00	0.31	236.39	95.00	5224.58	-9.04	-8.70	41.89	42.78	101.74	0.02	GyroTool	0
56	5321.00	0.31	247.29	96.00	5320.58	-9.29	-8.95	41.43	42.39	102.18	0.06	GyroTool	0
57	5415.00	0.31	244.39	94.00	5414.58	-9.49	-9.15	40.97	41.98	102.60	0.02	GyroTool	0
58	5452.00	0.31	243.20	37.00	5451.58	-9.58	-9.24	40.79	41.82	102.77	0.02	GyroTool	0
59	5576.00	0.09	255.77	124.00	5575.58	-9.75	-9.42	40.39	41.48	103.12	0.18	GyroTool	0
60	5672.00	0.48	264.30	96.00	5671.58	-9.80	-9.48	39.92	41.03	103.35	0.41	GyroTool	0
61	5767.00	0.79	225.43	95.00	5766.57	-10.29	-9.97	39.06	40.31	104.33	0.54	GyroTool	0
62	5862.00	0.88	224.57	95.00	5861.56	-11.27	-10.95	38.08	39.62	106.05	0.10	GyroTool	0
63	5957.00	0.79	179.79	95.00	5956.55	-12.44	-12.13	37.57	39.48	107.89	0.68	GyroTool	0
64	6053.00	0.79	178.38	96.00	6052.54	-13.76	-13.45	37.59	39.93	109.69	0.02	GyroTool	0
65	6148.00	1.01	185.11	95.00	6147.53	-15.25	-14.94	37.54	40.4	111.70	0.26	GyroTool	0
66	6244.00	1.10	198.99	96.00	6243.52	-16.66	-16.65	37.16	40.72	114.14	0.28	GyroTool	0
67	6339.00	1.01	175.09	95.00	6338.50	-18.65	-18.35	36.94	41.24	116.42	0.47	GyroTool	0
68	6435.00	1.10	195.08	96.00	6434.48	-20.38	-20.08	36.77	41.9	118.64	0.39	GyroTool	0
69	6581.00	1.10	185.01	146.00	6580.46	-23.13	-22.83	36.28	42.87	122.18	0.13	GyroTool	0
70	6623.00	1.10	179.31	42.00	6622.45	-23.93	-23.64	36.25	43.28	123.11	0.26	GyroTool	0
71	6718.00	0.88	212.88	95.00	6717.44	-25.46	-25.16	35.87	43.81	125.05	0.64	GyroTool	0
72	6813.00	1.41	237.97	95.00	6812.42	-26.68	-26.39	34.48	43.42	127.44	0.76	GyroTool	0
73	6908.00	1.41	269.48	95.00	6907.39	-27.29	-27.03	32.32	42.13	129.90	0.81	GyroTool	0
74	7003.00	1.41	276.21	95.00	7002.36	-27.15	-26.91	29.99	40.29	131.90	0.17	GyroTool	0
75	7099.00	0.79	271.99	96.00	7098.34	-26.99	-26.76	28.15	38.84	133.55	0.65	GyroTool	0
76	7194.00	1.41	254.10	95.00	7193.33	-27.27	-27.06	26.37	37.78	135.73	0.74	GyroTool	0
77	7289.00	1.10	269.79	95.00	7288.30	-27.58	-27.38	24.34	36.63	138.37	0.48	GyroTool	0
78	7382.00	1.32	248.87	93.00	7381.28	-27.95	-27.77	22.45	35.71	141.05	0.53	GyroTool	0
79	7479.00	1.01	243.20	97.00	7478.26	-28.73	-28.56	20.64	35.24	144.14	0.34	GyroTool	0
80	7575.00	1.19	215.87	96.00	7574.25	-29.90	-29.75	19.30	35.46	147.02	0.57	GyroTool	0
81	7669.00	1.01	262.41	94.00	7668.23	-30.79	-30.65	17.91	35.5	149.70	0.94	GyroTool	0
82	7765.00	1.01	243.38	96.00	7764.22	-31.27	-31.14	16.31	35.15	152.35	0.35	GyroTool	0
83	7860.00	1.49	246.28	95.00	7859.19	-32.13	-32.01	14.43	35.11	155.73	0.51	GyroTool	0
84	7956.00	0.88	243.20	96.00	7955.17	-32.95	-32.84	12.63	35.19	158.96	0.64	GyroTool	0
85	8051.00	0.88	243.20	95.00	8050.16	-33.59	-33.50	11.33	35.37	161.31	0.00	GyroTool	0
86	8147.00	0.62	220.09	96.00	8146.15	-34.32	-34.23	10.34	35.76	163.20	0.41	GyroTool	0
87	8242.00	0.70	228.70	95.00	8241.15	-35.09	-35.01	9.57	36.29	164.71	0.13	GyroTool	0
88	8335.00	0.48	97.57	93.00	8334.14	-35.51	-35.43	9.53	36.69	164.95	1.16	GyroTool	0
89	8429.00	0.62	190.47	94.00	8428.14	-36.07	-35.99	9.83	37.3	164.72	0.85	GyroTool	0
90	8524.00	0.62	161.38	95.00	8523.14	-37.06	-36.98	9.90	38.28	165.01	0.33	GyroTool	0
91	8619.00	0.40	100.21	95.00	8618.13	-37.61	-37.53	10.39	38.94	164.52	0.58	GyroTool	0
92	8714.00	0.48	111.90	95.00	8713.13	-37.82	-37.73	11.09	39.33	163.63	0.13	GyroTool	0
93	8809.00	0.79	113.70	95.00	8808.12	-38.24	-38.14	12.05	40	162.46	0.33	GyroTool	0
94	8999.00	0.79	147.01	190.00	8998.11	-39.88	-39.77	13.97	42.15	160.65	0.24	GyroTool	0
95	9095.00	0.22	72.61	96.00	9094.10	-40.39	-40.27	14.50	42.8	160.19	0.79	GyroTool	0
96	9188.00	0.70	1.20	93.00	9187.10	-39.77	-39.65	14.69	42.28	159.68	0.71	GyroTool	0
97	9284.00	0.88	19.81	96.00	9283.09	-38.49	-38.37	14.95	41.18	158.71	0.32	GyroTool	0
98	9379.00	0.40	22.07	95.00	9378.09	-37.50	-37.37	15.32	40.39	157.71	0.51	GyroTool	0
99	9474.00	0.70	4.19	95.00	9473.08	-36.61	-36.49	15.49	39.64	157.00	0.36	GyroTool	0
100	9569.00	0.79	352.98	95.00	9568.07	-35.38	-35.26	15.45	38.5	156.34	0.18	GyroTool	0
101	9663.00	1.01	328.19	94.00	9662.06	-34.03	-33.91	14.93	37.05	156.23	0.47	GyroTool	0

102	9757.00	0.88	331.58	94.00	9756.05	-32.69	-32.57	14.15	35.52	156.52	0.15	GyroTool	0
103	9853.00	1.01	311.19	96.00	9852.04	-31.47	-31.37	13.17	34.02	157.23	0.37	GyroTool	0
104	9949.00	0.79	295.28	96.00	9948.02	-30.62	-30.53	11.93	32.78	158.65	0.34	GyroTool	0
105	10046.00	0.70	284.29	97.00	10045.02	-30.18	-30.10	10.75	31.96	160.34	0.17	GyroTool	0
106	10142.00	0.62	276.78	96.00	10141.01	-29.97	-29.89	9.67	31.41	162.08	0.12	GyroTool	0
107	10236.00	0.70	265.88	94.00	10235.00	-29.94	-29.87	8.59	31.08	163.96	0.16	GyroTool	0
108	10331.00	0.62	219.61	95.00	10330.00	-30.37	-30.31	7.68	31.27	165.78	0.55	GyroTool	0
109	10427.00	0.88	189.39	96.00	10425.99	-31.50	-31.45	7.31	32.28	166.92	0.55	GyroTool	0
110	10527.00	1.11	193.50	100.00	10525.98	-33.21	-33.15	7.04	33.89	168.02	0.29	GyroTool	0
111	10617.00	3.94	329.56	90.00	10615.91	-31.38	-31.33	5.27	31.77	170.46	5.34	SlimPulse	0
112	10649.00	7.93	337.00	32.00	10647.74	-28.38	-28.35	3.84	28.61	172.28	12.68	SlimPulse	0
113	10680.00	13.25	339.67	31.00	10678.20	-23.06	-23.05	1.77	23.12	175.60	17.21	SlimPulse	0
114	10712.00	17.27	341.42	32.00	10709.06	-15.10	-15.10	-1.01	15.14	183.84	12.65	SlimPulse	0
115	10744.00	21.70	343.55	32.00	10739.22	-4.89	-4.92	-4.20	6.47	220.50	14.02	SlimPulse	0
116	10775.00	25.74	348.49	31.00	10767.60	7.23	7.17	-7.17	10.14	315.01	14.51	SlimPulse	0
117	10807.00	30.76	352.57	32.00	10795.78	22.19	22.11	-9.62	24.11	336.49	16.80	SlimPulse	0
118	10838.00	36.31	356.86	31.00	10821.62	39.24	39.15	-11.15	40.71	344.10	19.45	SlimPulse	0
119	10870.00	41.20	358.81	32.00	10846.57	59.25	59.16	-11.89	60.34	348.64	15.74	SlimPulse	0
120	10901.00	43.85	359.94	31.00	10869.41	80.20	80.11	-12.11	81.02	351.40	8.90	SlimPulse	0
121	10933.00	46.31	0.52	32.00	10892.01	102.86	102.76	-12.02	103.46	353.33	7.80	SlimPulse	0
122	10965.00	49.54	0.07	32.00	10913.45	126.61	126.51	-11.90	127.07	354.63	10.13	SlimPulse	0
123	10996.00	53.53	359.90	31.00	10932.73	150.87	150.78	-11.90	151.25	355.49	12.88	SlimPulse	0
124	11027.00	57.18	1.82	31.00	10950.35	176.36	176.27	-11.51	176.65	356.26	12.84	SlimPulse	0
125	11059.00	59.86	3.64	32.00	10967.06	203.60	203.53	-10.20	203.78	357.13	9.68	SlimPulse	0
126	11091.00	62.83	5.31	32.00	10982.40	231.57	231.52	-8.01	231.66	358.02	10.36	SlimPulse	0
127	11122.00	65.61	5.98	31.00	10995.88	259.33	259.29	-5.26	259.35	358.84	9.15	SlimPulse	0
128	11154.00	68.27	5.32	32.00	11008.42	288.60	288.59	-2.36	288.6	359.53	8.53	SlimPulse	0
129	11185.00	69.61	4.69	31.00	11019.56	317.40	317.41	0.16	317.41	0.03	4.74	SlimPulse	0
130	11217.00	70.49	2.31	32.00	11030.48	347.40	347.43	2.00	347.44	0.33	7.50	SlimPulse	0
131	11248.00	72.21	0.16	31.00	11040.39	376.76	376.79	2.63	376.8	0.40	8.61	SlimPulse	0
132	11280.00	75.78	358.66	32.00	11049.21	407.51	407.54	2.31	407.55	0.32	12.05	SlimPulse	0
133	11312.00	79.80	358.09	32.00	11055.98	438.77	438.80	1.42	438.8	0.19	12.66	SlimPulse	0
134	11343.00	81.71	357.75	31.00	11060.96	469.36	469.38	0.31	469.38	0.04	6.28	SlimPulse	0
135	11375.00	82.40	358.32	32.00	11065.38	501.04	501.05	-0.78	501.05	359.91	2.79	SlimPulse	0
136	11407.00	85.04	358.66	32.00	11068.88	532.84	532.84	-1.62	532.85	359.83	8.32	SlimPulse	0
137	11438.00	88.97	359.30	31.00	11070.50	563.79	563.79	-2.17	563.79	359.78	12.83	SlimPulse	0
138	11470.00	91.79	359.83	32.00	11070.29	595.79	595.79	-2.41	595.79	359.77	8.97	SlimPulse	0
139	11539.00	92.62	0.09	69.00	11067.64	664.73	664.73	-2.46	664.74	359.79	1.26	SlimPulse	0
140	11634.00	92.27	360.00	95.00	11063.59	759.64	759.65	-2.38	759.65	359.82	0.38	SlimPulse	0
141	11729.00	93.34	0.63	95.00	11058.94	854.52	854.53	-1.86	854.53	359.88	1.31	SlimPulse	0
142	11824.00	93.54	0.49	95.00	11053.24	949.33	949.35	-0.93	949.35	359.94	0.26	SlimPulse	0
143	11919.00	93.48	0.68	95.00	11047.42	1044.14	1044.17	0.04	1044.17	0.00	0.20	SlimPulse	0
144	12014.00	93.37	0.87	95.00	11041.74	1138.94	1138.99	1.32	1138.99	0.07	0.24	SlimPulse	0
145	12109.00	93.20	0.72	95.00	11036.30	1233.76	1233.83	2.64	1233.83	0.12	0.24	SlimPulse	0
146	12204.00	93.37	0.79	95.00	11030.85	1328.59	1328.66	3.89	1328.67	0.17	0.19	SlimPulse	0
147	12298.00	93.41	1.29	94.00	11025.29	1422.39	1422.48	5.59	1422.49	0.23	0.54	SlimPulse	0
148	12394.00	92.85	-1.09	96.00	11020.05	1518.21	1518.32	7.58	1518.34	0.29	0.62	SlimPulse	0
149	12489.00	92.72	0.35	95.00	11015.44	1613.07	1613.20	8.77	1613.22	0.31	0.79	SlimPulse	0
150	12584.00	92.69	359.01	95.00	11010.96	1707.96	1708.09	8.23	1708.11	0.28	1.41	SlimPulse	0
151	12679.00	92.61	358.01	95.00	11006.57	1802.85	1802.95	5.76	1802.96	0.18	1.06	SlimPulse	0
152	12774.00	92.62	356.87	95.00	11002.23	1897.68	1897.76	1.52	1897.76	0.05	1.19	SlimPulse	0
153	12868.00	92.61	355.31	94.00	10997.94	1991.41	1991.44	-4.88	1991.45	359.86	1.66	SlimPulse	0
154	12964.00	92.75	354.80	96.00	10993.45	2087.01	2086.98	-13.14	2087.02	359.64	0.54	SlimPulse	0
155	13059.00	92.72	354.86	95.00	10988.92	2181.59	2181.48	-21.69	2181.59	359.43	0.07	SlimPulse	0
156	13154.00	92.72	355.10	95.00	10984.41	2276.18	2276.01	-29.99	2276.21	359.25	0.25	SlimPulse	0
157	13249.00	92.55	355.40	95.00	10980.04	2370.82	2370.59	-37.84	2370.89	359.09	0.36	SlimPulse	0
158	13344.00	92.54	356.50	95.00	10975.82	2465.54	2465.25	-44.55	2465.66	358.96	1.16	SlimPulse	0
159	13439.00	92.68	358.09	95.00	10971.49	2560.36	2560.05	-49.04	2560.52	358.90	1.68	SlimPulse	0
160	13534.00	92.65	359.33	95.00	10967.07	2655.25	2654.92	-51.18	2655.41	358.90	1.31	SlimPulse	0
161	13629.00	92.62	0.62	95.00	10962.71	2750.14	2749.81	-51.22	2750.29	358.93	1.35	SlimPulse	0
162	13725.00	92.79	1.48	96.00	10958.18	2846.00	2845.69	-49.45	2846.12	359.00	0.92	SlimPulse	0
163	13819.00	92.72	2.48	94.00	10953.67	2939.80	2939.52	-46.20	2939.89	359.10	1.07	SlimPulse	0
164	13914.00	92.62	1.83	95.00	10949.24	3034.60	3034.35	-42.63	3034.65	359.20	0.69	SlimPulse	0
165	14009.00	92.75	1.59	95.00	10944.79	3129.43	3129.21	-39.80	3129.46	359.27	0.30	SlimPulse	0
166	14104.00	92.96	1.47	95.00	10940.06	3224.25	3224.06	-37.27	3224.27	359.34	0.25	SlimPulse	0
167	14199.00	92.79	1.14	95.00	10935.30	3319.09	3318.91	-35.11	3319.1	359.39	0.40	SlimPulse	0
168	14294.00	92.65	1.00	95.00	10930.79	3413.95	3413.79	-33.33	3413.95	359.44	0.20	SlimPulse	0
169	14388.00	92.79	0.57	94.00	10926.33	3507.82	3507.67	-32.04	3507.82	359.48	0.48	SlimPulse	0
170	14484.00	92.75	0.53	96.00	10921.70	3603.69	3603.56	-31.12	3603.69	359.51	0.06	SlimPulse	0
171	14579.00	92.54	0.44	95.00	10917.31	3698.58	3698.45	-30.32	3698.58	359.53	0.24	SlimPulse	0
172	14674.00	92.79	0.27	95.00	10912.89	3793.46	3793.35	-29.73	3793.46	359.55	0.31	SlimPulse	0
173	14769.00	92.58	0.01	95.00	10908.44	3888.35	3888.24	-29.50	3888.35	359.57	0.34	SlimPulse	0
174	14864.00	92.72	359.47	95.00	10904.05	3983.25	3983.14	-29.93	3983.25	359.57	0.59	SlimPulse	0
175	14959.00	92.62	359.41	95.00	10899.63	4078.15	4078.03	-30.86	4078.15	359.57	0.13	SlimPulse	0
176	15054.00	92.58	358.99	95.00	10895.32	4173.05	4172.92	-32.19	4173.05	359.56	0.45	SlimPulse	0
177	15148.00	92.72	359.03	94.00	10890.98	4266.94	4266.81	-33.81	4266.94	359.55	0.15	SlimPulse	0
178	15243.00	92.65	358.81	95.00	10886.53	4361.83	4361.69	-35.60	4361.83	359.53	0.24	SlimPulse	0
179	15338.00	92.58	358.43	95.00	10882.19	4456.72	4456.56	-37.88	4456.72	359.51	0.41	SlimPulse	0
180	15424.00	92.89	358.26	86.00	10878.09	4542.61	4542.43	-40.36	4542.61	359.49	0.41	SlimPulse	0
181	15497.00	92.89	358.26	73.00	10874.41	4615.50	4615.30	-42.57	4615.5	359.47	0.00	PTB	7