

Results of Directional Survey

API number:	30-025-40905		
OGRID:		Operator:	CIMAREX ENERGY CO. OF COLORADO
		Property:	W BELL LAKE 26 FEDERAL # 1H

surface	ULSTR:	M	26	T 23S	R 33E
				330 FSL	510 FWL

BH Loc	ULSTR:	D	26	T 23S	R 33E
15797	MD	11321.6	TVD	320 FNL	608 FWL
				4960 FSL	

Top Perf/OH	ULSTR:	M	26	T 23S	R 33E
11080	MD	11061.0	TVD	335 FSL	439 FWL

Bot Perf/OH	ULSTR:	D	26	T 23S	R 33E
15624	MD	11320.5	TVD	493 FNL	607 FWL
				4787 FSL	

	MD	N/S	E/W	VD
	11075	2.33	-70.98	11056.85
TOP PERFS/OH	11080	5.13	-71.01	11060.99
	11107	20.28	-71.16	11083.33
	15734	4566.61	97.28	11321.22
BOT PERFS/OH	15624	4456.61	96.65	11320.49
	15797	4629.61	97.64	11321.64

NEXT TO LAST	15734	4566.61	97.28	11321.22
LAST READING	15797	4629.61	97.64	11321.64
TD	15797	4629.61	97.64	11321.64

Surface Location	330	FS	510	FW
Projected BHL	4960	FS	608	FW
Location of				
Top Perfs/OH	335	FS	439	FW
Bottom Perfs/OH	4787	FS	607	FW

SUMMARY of Subsurface Locations

Surface Location	M-26-23S-33E	330	FS	510	FW	Vert. Depth
Top Perfs/OH	M-26-23S-33E	335	FS	439	FW	11060.99
Bottom Perfs/OH	D-26-23S-33E	4787	FS	607	FW	11320.49
Projected TD	D-26-23S-33E	4960	FS	608	FW	11321.64

OCT 22 2013



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

May 15, 2013

Cimarex
600 N MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

Re:

S26, T23S, R33E, Lea NM
N 32.26929 W 103.55000

CLIENT: Cimarex Energy Co. of Colorado
WELL: West Bell Lake "26" Federal 1H
FIELD: Bell Lake; Bone Spring
RIG: ScanDrill Eagle
COUNTY: Lea
API NO: 30-015-40905
JOB NO: 13MLD0176

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>
Steven Durham MWD	West Bell Lake "26" Federal 1H Original Hole	10792.00 Ft to 15734.00 Ft	April 19, 2013 to April 25, 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:

S26, T23S, R33E, Lea NM

N 32.26929 W 103.55000

I, Steven Durham certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of April 19, 2013 through April 25, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 10792.00 feet to a depth of 15734.00 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 Cimarex Energy Co. of Colorado for the West Bell Lake "26" Federal 1H Well (Original Hole) API No. 30-015-40905 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



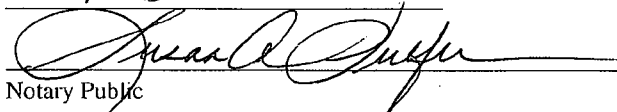
Kyle Ducote

On behalf of

Steven Durham

MWD

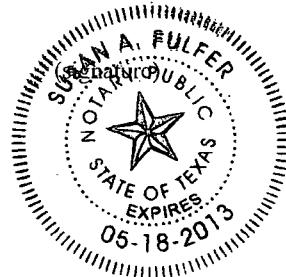
Subscribed and Sworn to before me this 16th day of May (month) 2013 (yr)
My Commission expires:

05-18-13

Notary Public

Midland Texas

(County State)



SCHLUMBERGER

Survey Report

21-May-2013

Client.....: Cimarex Energy Co. of Col
 Field.....: Bell Lake; Bone Spring

Well.....: West Bell Lake 26 Federal 1H
 API number.....: 30-025-40905
 Engineer.....: Steven Durham

Spud date.....: 4-Apr-13
 Last survey date.....: 24-Apr-13
 Total accepted surveys...: 73
 MD of first survey.....: 10792.00 ft
 MD of last survey.....: 15734.00 ft

County.....: Lea
 State.....: NM
 Rig.....: ScanDrill Eagle

Latitude.....: 32° 16' 9.436" N
 Longitude.....: 103° 33' 0.017" 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.....: 3653.00
 KB above permanent.....: 3678.00
 DF above permanent.....: 3678.00

----- 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.....: 462583.60 ft
 Y.....: 783450.90 ft

Azimuth from Vsect Origin to target: 1.39 degrees

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

-----Run1----- Calculation Date: 17-Apr-2013
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 48436.48 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 60.1448 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 21-Apr-2013
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 48435.08 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 60.1444 degrees Tolerance Dip: 0.45 degrees

BGGM Model: 2012

-----Run1-----

Magnetic dec (+E/W-).....: 7.4578 degrees
 Grid Conv (+E/W-).....: 0.4178 degrees
 Total Azim Corr (+E/W-)...: 7.04 degrees

-----Run2-----

Magnetic dec (+E/W-).....: 7.4565 degrees
 Grid Conv (+E/W-).....: 0.4165 degrees
 Total Azim Corr (+E/W-)...: 7.04 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 Azi (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	100.00	0.88	15.47	100.00	100.00	0.74	0.74	0.20	0.77	15.47	0.88	GyroTool	0
3	200.00	1.37	15.22	100.00	199.98	2.65	2.63	0.72	2.73	15.36	0.49	GyroTool	0
4	300.00	1.15	11.53	100.00	299.95	4.80	4.77	1.24	4.93	14.55	0.23	GyroTool	0
5	400.00	0.98	14.20	100.00	399.93	6.62	6.58	1.65	6.79	14.06	0.18	GyroTool	0
6	500.00	0.89	10.34	100.00	499.92	8.22	8.18	2.00	8.42	13.73	0.11	GyroTool	0
7	600.00	0.56	58.19	100.00	599.91	9.26	9.20	2.55	9.54	15.51	0.66	GyroTool	0
8	700.00	0.45	53.39	100.00	699.91	9.77	9.69	3.28	10.23	18.72	0.12	GyroTool	0
9	808.60	0.48	79.73	108.60	808.51	10.12	10.02	4.07	10.82	22.11	0.20	GyroTool	0
10	903.10	0.40	92.10	94.50	903.00	10.20	10.08	4.79	11.16	25.42	0.13	GyroTool	0
11	998.00	0.28	117.15	94.90	997.90	10.09	9.97	5.33	11.3	28.14	0.20	GyroTool	0
12	1092.50	0.30	148.25	94.50	1092.40	9.78	9.65	5.66	11.19	30.42	0.17	GyroTool	0
13	1187.40	0.41	130.53	94.90	1187.30	9.36	9.22	6.05	11.03	33.29	0.16	GyroTool	0
14	1282.10	0.46	133.46	94.70	1282.00	8.89	8.74	6.59	10.94	37.02	0.06	GyroTool	0

15	1377.00	0.32	133.83	94.90	1376.89	8.46	8.29	7.05	10.89	40.40	0.15	GyroTool	0
16	1471.90	0.19	144.76	94.90	1471.79	8.15	7.98	7.34	10.84	42.60	0.15	GyroTool	0
17	1566.00	0.14	79.01	94.10	1565.89	8.05	7.87	7.54	10.9	43.76	0.20	GyroTool	0
18	1660.60	0.13	133.82	94.60	1660.49	8.01	7.82	7.73	11	44.67	0.13	GyroTool	0
19	1755.60	0.17	156.92	95.00	1755.49	7.80	7.62	7.86	10.95	45.92	0.08	GyroTool	0
20	1850.40	0.20	163.71	94.80	1850.29	7.52	7.33	7.97	10.82	47.39	0.04	GyroTool	0
21	1945.10	0.09	172.87	94.70	1944.99	7.29	7.10	8.02	10.71	48.50	0.12	GyroTool	0
22	2039.70	0.14	219.15	94.60	2039.59	7.12	6.93	7.96	10.55	48.94	0.11	GyroTool	0
23	2134.70	0.09	193.45	95.00	2134.59	6.96	6.77	7.87	10.38	49.28	0.07	GyroTool	0
24	2229.70	0.11	249.05	95.00	2229.59	6.85	6.66	7.76	10.23	49.36	0.10	GyroTool	0
25	2324.60	0.12	291.09	94.90	2324.49	6.85	6.67	7.59	10.1	48.69	0.09	GyroTool	0
26	2419.50	0.09	30.85	94.90	2419.39	6.95	6.77	7.53	10.13	48.06	0.17	GyroTool	0
27	2514.60	0.06	63.57	95.10	2514.49	7.04	6.85	7.61	10.24	48.01	0.05	GyroTool	0
28	2609.40	0.13	62.11	94.80	2609.29	7.11	6.93	7.75	10.4	48.23	0.07	GyroTool	0
29	2704.30	0.12	35.30	94.90	2704.19	7.25	7.06	7.91	10.6	48.25	0.06	GyroTool	0
30	2799.30	0.14	69.55	95.00	2799.19	7.37	7.18	8.07	10.8	48.35	0.08	GyroTool	0
31	2893.70	0.11	29.72	94.40	2893.59	7.50	7.30	8.23	11	48.42	0.10	GyroTool	0
32	2988.50	0.07	41.97	94.80	2988.39	7.62	7.42	8.31	11.14	48.23	0.05	GyroTool	0
33	3083.40	0.14	7.82	94.90	3083.29	7.78	7.58	8.36	11.29	47.82	0.10	GyroTool	0
34	3178.30	0.08	344.99	94.90	3178.19	7.96	7.76	8.36	11.41	47.15	0.08	GyroTool	0
35	3273.10	0.07	1.81	94.80	3272.99	8.08	7.88	8.35	11.48	46.65	0.03	GyroTool	0
36	3367.90	0.13	3.34	94.80	3367.79	8.24	8.04	8.36	11.6	46.09	0.06	GyroTool	0
37	3462.90	0.14	10.48	95.00	3462.79	8.47	8.27	8.38	11.77	45.40	0.02	GyroTool	0
38	3557.70	0.09	43.64	94.80	3557.59	8.64	8.43	8.46	11.94	45.07	0.09	GyroTool	0
39	3652.60	0.14	12.75	94.90	3652.49	8.81	8.60	8.53	12.11	44.77	0.08	GyroTool	0
40	3747.20	0.11	341.89	94.60	3747.09	9.00	8.80	8.53	12.26	44.11	0.08	GyroTool	0
41	3841.80	0.07	16.46	94.60	3841.69	9.15	8.94	8.52	12.35	43.61	0.07	GyroTool	0
42	3936.60	0.16	359.29	94.80	3936.49	9.33	9.13	8.53	12.5	43.06	0.10	GyroTool	0
43	4031.40	0.13	160.32	94.80	4031.29	9.37	9.16	8.57	12.54	43.08	0.30	GyroTool	0
44	4126.30	0.12	210.47	94.90	4126.19	9.18	8.97	8.55	12.4	43.63	0.11	GyroTool	0
45	4221.00	0.17	185.36	94.70	4220.89	8.95	8.75	8.49	12.19	44.14	0.08	GyroTool	0
46	4315.60	0.10	152.33	94.60	4315.49	8.74	8.54	8.51	12.06	44.93	0.11	GyroTool	0
47	4410.50	0.08	156.62	94.90	4410.39	8.61	8.40	8.58	12.01	45.60	0.02	GyroTool	0
48	4505.10	0.11	184.80	94.60	4504.99	8.46	8.25	8.60	11.92	46.18	0.06	GyroTool	0
49	4600.00	0.07	152.84	94.90	4599.89	8.31	8.11	8.62	11.83	46.74	0.07	GyroTool	0
50	4694.70	0.18	162.01	94.70	4694.59	8.12	7.91	8.69	11.75	47.67	0.12	GyroTool	0
51	4789.40	0.13	136.72	94.70	4789.29	7.91	7.70	8.81	11.7	48.86	0.09	GyroTool	0
52	4884.30	0.09	158.70	94.90	4884.19	7.76	7.55	8.91	11.68	49.73	0.06	GyroTool	0
53	4979.20	0.10	135.52	94.90	4979.09	7.63	7.42	8.99	11.66	50.49	0.04	GyroTool	0
54	5074.00	0.11	183.04	94.80	5073.89	7.49	7.27	9.05	11.61	51.22	0.09	GyroTool	0
55	5153.60	0.14	36.43	79.60	5153.49	7.49	7.27	9.10	11.65	51.38	0.30	GyroTool	0
56	5318.00	0.22	202.16	164.40	5317.89	7.36	7.14	9.10	11.57	51.89	0.22	Other	0
57	5413.00	0.31	202.16	95.00	5412.88	6.95	6.73	8.94	11.19	53.00	0.09	Other	0
58	5507.00	0.09	318.85	94.00	5506.88	6.76	6.55	8.79	10.97	53.30	0.38	Other	0
59	5602.00	0.09	149.42	95.00	5601.88	6.76	6.55	8.78	10.95	53.30	0.19	Other	0
60	5697.00	1.01	153.33	95.00	5696.88	5.95	5.73	9.19	10.84	58.06	0.97	Other	0
61	5791.00	0.09	183.13	94.00	5790.87	5.15	4.92	9.56	10.75	62.78	0.99	Other	0
62	5886.00	0.48	224.04	95.00	5885.87	4.78	4.56	9.28	10.34	63.84	0.44	Other	0
63	5981.00	0.48	188.84	95.00	5980.87	4.09	3.88	8.94	9.75	66.55	0.31	Other	0
64	6075.00	0.79	220.75	94.00	6074.86	3.20	3.00	8.46	8.98	70.48	0.49	Other	0
65	6170.00	0.48	235.42	95.00	6169.86	2.46	2.28	7.71	8.03	73.54	0.37	Other	0
66	6264.00	0.79	238.94	94.00	6263.85	1.88	1.72	6.83	7.04	75.86	0.33	Other	0
67	6359.00	1.10	264.12	95.00	6358.84	1.42	1.29	5.36	5.51	76.49	0.54	Other	0
68	6454.00	1.01	269.75	95.00	6453.82	1.28	1.19	3.61	3.8	71.76	0.14	Other	0
69	6549.00	0.88	264.43	95.00	6548.81	1.17	1.12	2.05	2.33	61.43	0.16	Other	0
70	6643.00	0.88	262.32	94.00	6642.80	0.96	0.95	0.62	1.13	32.98	0.03	Other	0
71	6738.00	0.88	271.94	95.00	6737.79	0.86	0.88	-0.84	1.21	316.37	0.16	Other	0
72	6833.00	1.10	264.56	95.00	6832.77	0.75	0.82	-2.47	2.6	288.24	0.27	Other	0
73	6927.00	1.32	279.54	94.00	6926.75	0.80	0.91	-4.44	4.53	281.57	0.41	Other	0
74	7022.00	1.49	271.85	95.00	7021.72	0.97	1.13	-6.75	6.85	279.50	0.27	Other	0
75	7117.00	1.41	276.56	95.00	7116.69	1.08	1.30	-9.15	9.24	278.11	0.15	Other	0
76	7212.00	1.41	266.93	95.00	7211.67	1.10	1.37	-11.48	11.56	276.83	0.25	Other	0
77	7306.00	1.19	258.32	94.00	7305.64	0.79	1.11	-13.59	13.63	274.69	0.31	Other	0
78	7401.00	1.19	255.16	95.00	7400.62	0.29	0.66	-15.51	15.52	272.45	0.07	Other	0
79	7496.00	1.41	263.72	95.00	7495.60	-0.15	0.28	-17.62	17.62	270.92	0.31	Other	0
80	7591.00	1.19	197.37	95.00	7590.58	-1.25	-0.79	-19.08	19.09	267.64	1.51	Other	0
81	7685.00	1.41	256.96	94.00	7684.56	-2.48	-1.98	-20.50	20.59	264.48	1.39	Other	0
82	7780.00	1.32	253.66	95.00	7779.53	-3.10	-2.55	-22.69	22.83	263.58	0.13	Other	0
83	7874.00	1.19	239.25	94.00	7873.51	-3.95	-3.36	-24.56	24.79	262.22	0.36	Other	0
84	7967.00	1.58	239.33	93.00	7966.48	-5.14	-4.50	-26.50	26.88	260.35	0.42	Other	0
85	8062.00	1.41	240.52	95.00	8061.45	-6.44	-5.75	-28.64	29.21	258.66	0.18	Other	0
86	8157.00	1.58	241.75	95.00	8156.42	-7.69	-6.94	-30.81	31.58	257.30	0.18	Other	0
87	8251.00	1.71	233.05	94.00	8250.38	-9.20	-8.40	-33.07	34.12	255.75	0.30	Other	0
88	8346.00	1.89	219.82	95.00	8345.33	-11.30	-10.45	-35.21	36.73	253.46	0.48	Other	0
89	8441.00	2.02	217.05	95.00	8440.27	-13.89	-12.99	-37.22	39.42	250.76	0.17	Other	0
90	8534.00	1.89	216.53	93.00	8533.22	-16.48	-15.53	-39.12	42.09	248.34	0.14	Other	0
91	8629.00	1.80	215.56	95.00	8628.17	-18.99	-18.01	-40.92	44.71	246.25	0.10	Other	0
92	8724.00	2.11	216.66	95.00	8723.12	-21.66	-20.62	-42.83	47.54	244.29	0.33	Other	0
93	8818.00	1.89	210.55	94.00	8817.06	-24.42	-23.35	-44.65	50.39	242.40	0.33	Other	0
94	8913.00	2.02	217.76	95.00	8912.00	-27.14	-26.02	-46.48	53.26	240.76	0.29	Other	0
95	9007.00	1.89	216.53	94.00	9005.95	-29.74	-28.57	-48.41	56.22	239.45	0.15	Other	0
96	9102.00	2.02	218.15	95.00	9100.89	-32.36	-31.15	-50.38	59.23	238.27	0.15	Other	0
97	9197.00	2.02	214.64	95.00	9195.83	-35.10	-33.84	-52.37	62.35	237.13	0.13	Other	0
98	9291.00	2.11	209.85	94.00	9289.77	-38.01	-36.71	-54.17	65.43	235.88	0.21	Other	0
99	9386.00	2.11	214.95	95.00	9384.71	-41.01	-39.66	-56.04	68.65	234.72	0.20	Other	0
100	9480.00	2.42	214.95	94.00	9478.64	-44.10	-42.70	-58.17	72.16	233.72	0.33	Other	0
101	9575.00	2.59	201.23	95.00	9573.55	-47.79	-46.35	-60.10	75.89	232.36	0.65	Other	0

102	9670.00	2.99	194.16	95.00	9668.43	-52.23	-50.75	-61.48	79.72	230.46	0.55	Other	0
103	9765.00	3.38	182.56	95.00	9763.29	-57.44	-55.95	-62.21	83.67	228.03	0.79	Other	0
104	9859.00	3.21	170.82	94.00	9857.13	-62.80	-61.32	-61.91	87.14	225.28	0.74	Other	0
105	9954.00	2.20	164.63	95.00	9952.03	-67.16	-65.70	-61.01	89.66	222.88	1.11	Other	0
106	10048.00	1.41	155.75	94.00	10045.98	-69.93	-68.50	-60.05	91.09	221.24	0.89	Other	0
107	10143.00	1.01	177.64	95.00	10140.96	-71.82	-70.40	-59.54	92.2	220.22	0.64	Other	0
108	10237.00	0.62	242.15	94.00	10234.95	-72.90	-71.46	-59.95	93.28	220.00	0.99	Other	0
109	10332.00	1.32	252.74	95.00	10329.94	-73.50	-72.03	-61.45	94.68	220.47	0.76	Other	0
110	10427.00	1.41	235.25	95.00	10424.91	-74.54	-73.02	-63.46	96.74	220.99	0.45	Other	0
111	10521.00	1.58	226.44	94.00	10518.88	-76.13	-74.57	-65.35	99.15	221.23	0.30	Other	0
112	10616.00	1.19	232.44	95.00	10613.85	-77.68	-76.07	-67.08	101.43	221.40	0.44	Other	0
113	10711.00	1.10	212.44	95.00	10708.83	-79.08	-77.45	-68.35	103.29	221.43	0.43	Other	0
114	10749.00	0.88	201.54	38.00	10746.83	-79.67	-78.02	-68.65	103.93	221.34	0.76	Other	0
115	10792.00	0.62	182.89	43.00	10789.82	-80.21	-78.56	-68.79	104.42	221.20	0.82	SlimPulse	0
116	10823.00	2.66	353.83	31.00	10820.81	-79.67	-78.02	-68.87	104.07	221.44	10.55	SlimPulse	0
117	10855.00	7.33	356.78	32.00	10852.68	-76.89	-75.24	-69.07	102.13	222.55	14.63	SlimPulse	0
118	10886.00	12.51	356.25	31.00	10883.21	-71.57	-69.91	-69.40	98.51	224.79	16.72	SlimPulse	0
119	10917.00	16.13	357.74	31.00	10913.24	-63.93	-62.26	-69.79	93.52	228.26	11.72	SlimPulse	0
120	10949.00	19.36	359.63	32.00	10943.71	-54.19	-52.51	-70.00	87.5	233.12	10.25	SlimPulse	0
121	10980.00	22.61	359.77	31.00	10972.65	-43.10	-41.41	-70.05	81.38	239.41	10.51	SlimPulse	0
122	11012.00	25.81	359.03	32.00	11001.84	-29.98	-28.29	-70.20	75.68	248.05	10.05	SlimPulse	0
123	11044.00	29.08	358.09	32.00	11030.23	-15.25	-13.55	-70.57	71.86	259.13	10.30	SlimPulse	0
124	11075.00	32.55	358.96	31.00	11056.85	0.60	2.33	-70.98	71.02	271.88	11.27	SlimPulse	0
125	11107.00	35.74	359.83	32.00	11083.33	18.55	20.28	-71.16	74	285.91	10.09	SlimPulse	0
126	11138.00	39.17	0.62	31.00	11107.94	37.40	39.13	-71.08	81.14	298.83	11.18	SlimPulse	0
127	11170.00	42.34	1.23	32.00	11132.17	58.28	60.02	-70.74	92.77	310.31	9.97	SlimPulse	0
128	11202.00	44.87	1.50	32.00	11155.34	80.35	82.08	-70.21	108.01	319.45	7.95	SlimPulse	0
129	11233.00	48.01	1.50	31.00	11176.70	102.81	104.53	-69.63	125.6	326.33	10.12	SlimPulse	0
130	11265.00	51.29	0.90	32.00	11197.42	127.20	128.91	-69.12	146.27	331.80	10.34	SlimPulse	0
131	11296.00	54.22	0.73	31.00	11216.18	151.87	153.58	-68.77	168.28	335.88	9.46	SlimPulse	0
132	11328.00	57.33	1.38	32.00	11234.18	178.32	180.03	-68.28	192.55	339.23	9.87	SlimPulse	0
133	11359.00	60.03	2.57	31.00	11250.29	204.80	206.50	-67.37	217.21	341.93	9.31	SlimPulse	0
134	11391.00	64.01	2.76	32.00	11265.30	233.05	234.72	-66.05	243.84	344.28	12.45	SlimPulse	0
135	11422.00	68.60	3.83	31.00	11277.76	261.41	263.05	-64.42	270.82	346.24	15.14	SlimPulse	0
136	11454.00	71.68	4.63	32.00	11288.63	291.47	293.06	-62.20	299.59	348.02	9.91	SlimPulse	0
137	11485.00	75.24	4.19	31.00	11297.45	321.14	322.69	-59.91	328.2	349.48	11.58	SlimPulse	0
138	11517.00	78.39	4.26	32.00	11304.75	352.25	353.75	-57.62	358.42	350.75	9.82	SlimPulse	0
139	11548.00	81.60	4.21	31.00	11310.13	382.74	384.20	-55.36	388.16	351.80	10.38	SlimPulse	0
140	11580.00	85.32	3.98	32.00	11313.78	414.49	415.90	-53.09	419.28	352.73	11.62	SlimPulse	0
141	11612.00	88.04	3.33	32.00	11315.63	446.41	447.78	-51.06	450.68	353.50	8.75	SlimPulse	0
142	11643.00	88.49	3.13	31.00	11316.57	477.38	478.71	-49.31	481.25	354.12	1.57	SlimPulse	0
143	11675.00	88.69	2.64	32.00	11317.36	509.36	510.66	-47.70	512.89	354.66	1.66	SlimPulse	0
144	11710.00	89.17	2.12	35.00	11318.01	544.35	545.63	-46.24	547.58	355.16	2.04	SlimPulse	0
145	11804.00	90.62	1.51	94.00	11318.18	638.34	639.58	-43.26	641.04	356.13	1.67	SlimPulse	0
146	11899.00	90.58	1.30	95.00	11317.18	733.33	734.54	-40.94	735.68	356.81	0.23	SlimPulse	0
147	11994.00	90.76	1.63	95.00	11316.07	828.33	829.51	-38.51	830.4	357.34	0.40	SlimPulse	0
148	12088.00	90.31	1.56	94.00	11315.20	922.32	923.46	-35.89	924.16	357.77	0.48	SlimPulse	0
149	12183.00	90.10	1.54	95.00	11314.85	1017.32	1018.43	-33.32	1018.97	358.13	0.22	SlimPulse	0
150	12278.00	90.17	1.77	95.00	11314.63	1112.32	1113.39	-30.58	1113.81	358.43	0.26	SlimPulse	0
151	12372.00	89.79	1.38	94.00	11314.65	1206.32	1207.35	-28.00	1207.68	358.67	0.58	SlimPulse	0
152	12467.00	89.97	1.85	95.00	11314.85	1301.32	1302.32	-25.32	1302.56	358.89	0.53	SlimPulse	0
153	12561.00	90.07	2.05	94.00	11314.83	1395.31	1396.26	-22.13	1396.44	359.09	0.24	SlimPulse	0
154	12656.00	90.10	3.25	95.00	11314.68	1490.29	1491.16	-17.74	1491.26	359.32	1.27	SlimPulse	0
155	12751.00	90.07	4.04	95.00	11314.54	1585.21	1585.96	-11.70	1586.01	359.58	0.83	SlimPulse	0
156	12845.00	90.00	3.82	94.00	11314.48	1679.12	1679.74	-5.26	1679.75	359.82	0.25	SlimPulse	0
157	12940.00	90.07	3.61	95.00	11314.43	1774.04	1774.54	0.90	1774.54	0.03	0.22	SlimPulse	0
158	13035.00	90.10	3.41	95.00	11314.28	1868.98	1869.37	6.71	1869.38	0.21	0.22	SlimPulse	0
159	13129.00	90.17	3.17	94.00	11314.06	1962.93	1963.21	12.11	1963.25	0.35	0.26	SlimPulse	0
160	13224.00	89.86	3.09	95.00	11314.03	2057.88	2058.07	17.30	2058.14	0.48	0.34	SlimPulse	0
161	13319.00	90.14	2.44	95.00	11314.03	2152.85	2152.96	21.89	2153.07	0.58	0.74	SlimPulse	0
162	13413.00	90.24	2.63	94.00	11313.72	2246.83	2246.86	26.05	2247.02	0.66	0.23	SlimPulse	0
163	13508.00	90.10	2.56	95.00	11313.43	2341.81	2341.77	30.35	2341.96	0.74	0.16	SlimPulse	0
164	13603.00	90.03	2.26	95.00	11313.32	2436.80	2436.68	34.35	2436.92	0.81	0.33	SlimPulse	0
165	13698.00	90.14	2.53	95.00	11313.18	2531.78	2531.60	38.31	2531.89	0.87	0.30	SlimPulse	0
166	13792.00	90.03	2.33	94.00	11313.04	2625.77	2625.51	42.29	2625.86	0.92	0.24	SlimPulse	0
167	13887.00	90.03	1.87	95.00	11312.98	2720.76	2720.45	45.77	2720.84	0.96	0.48	SlimPulse	0
168	13982.00	90.48	2.03	95.00	11312.55	2815.75	2815.39	49.01	2815.82	1.00	0.50	SlimPulse	0
169	14076.00	90.28	2.06	94.00	11311.93	2909.75	2909.33	52.36	2909.8	1.03	0.22	SlimPulse	0
170	14171.00	89.72	1.67	95.00	11311.93	3004.74	3004.28	55.45	3004.79	1.06	0.71	SlimPulse	0
171	14266.00	90.07	1.40	95.00	11312.10	3099.74	3099.25	57.99	3099.79	1.07	0.46	SlimPulse	0
172	14361.00	90.07	1.35	95.00	11311.99	3194.74	3194.22	60.26	3194.79	1.08	0.05	SlimPulse	0
173	14456.00	90.17	1.71	95.00	11311.79	3289.74	3289.19	62.79	3289.79	1.09	0.39	SlimPulse	0
174	14550.00	89.66	2.06	94.00	11311.93	3383.74	3383.13	65.88	3383.78	1.12	0.67	SlimPulse	0
175	14645.00	89.66	2.03	95.00	11312.50	3478.73	3478.07	69.27	3478.76	1.14	0.04	SlimPulse	0
176	14740.00	89.59	1.81	95.00	11313.13	3573.72	3573.02	72.46	3573.75	1.16	0.24	SlimPulse	0
177	14834.00	89.55	1.58	94.00	11313.83	3667.72	3666.97	75.25	3667.74	1.18	0.25	SlimPulse	0
178	14929.00	89.76	1.60	95.00	11314.40	3762.72	3761.93	77.89	3762.74	1.19	0.22	SlimPulse	0
179	15024.00	89.72	2.19	95.00	11314.83	3857.71	3856.88	81.03	3857.73	1.20	0.62	SlimPulse	0
180	15119.00	89.76	2.32	95.00	11315.26	3952.70	3951.81	84.77	3952.72	1.23	0.14	SlimPulse	0
181	15213.00	89.38	1.73	94.00	11315.96	4046.69	4045.74	88.09	4046.7	1.25	0.75	SlimPulse	0
182	15308.00	89.55	1.59	95.00	11316.85	4141.69	4140.70	90.84	4141.7	1.26	0.23	SlimPulse	0
183	15402.00	89.62	1.29	94.00	11317.52	4235.68	4234.67	93.20	4235.69	1.26	0.33	SlimPulse	0
184	15497.00	89.31	1.04	95.00	11318.41	4330.68	4329.64	95.13	4330.69	1.26	0.42	SlimPulse	0
185	15592.00	89.07	0.51	95.00	11319.75	4425.66	4424.63	96.42	4425.68	1.25	0.62	SlimPulse	0
186	15686.00	89.55	0.25	94.00	11320.88	4519.64	4518.62	97.04	4519.66	1.23	0.58	SlimPulse	0
187	15734.00	89.62	0.32	48.00</									