

HOBBS OCD

JUN 14 2016

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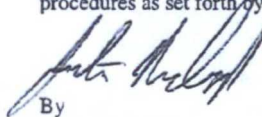
Oilfield Services, Central U.S. Land

PATHFINDER
A Schlumberger Company

Reservoir Development
PathFinder, a Schlumberger Company
9200 West Reno Avenue
Oklahoma City, Oklahoma 73127 USA
Phone: (405) 789-1515
Fax: (405) 789-1519

Well Reference:
Sec 25, T23S, R32E Lea NM
N 32.26949 W 103.62399

I, Justin Medlock certify that; I am employed by PathFinder, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 28, 2015 through November 07, 2015, conduct or supervise the taking of the SlimPulse surveys from a depth of 9400.00 feet to a depth of 14577.00 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. for the Triste Draw 25 Federal #7H Well (Original Hole) API No. 30-025-42081 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
Justin Medlock
MWD

Subscribed and Sworn to before me this 9th day of November (month) 2015 (yr)

My Commission expires:

11-3-18

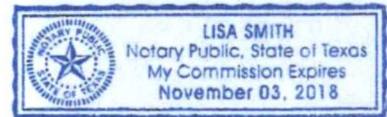
Lisa Smith _____

(signature)

Notary Public

Lubbock County Texas

(County State)





Reservoir Development
PathFinder, a Schlumberger Company
9200 West Reno Avenue
Oklahoma City, Oklahoma 73127 USA
Phone: (405) 789-1515
Fax: (405) 789-1519

November 7, 2015

Cimarex
600 N MARIENFELD STREET SUITE 600

MIDLAND, TX 79701

Re:

Sec 25, T23S, R32E Lea NM
N 32.26949 W 103.62399

CLIENT: Cimarex Energy Co.
WELL: Triste Draw 25 Federal #7H
FIELD: Bone Spring
RIG: Cactus 163
COUNTY: Lea
API NO: 30-025-42081
JOB NO: 15MLD0481

Enclosed, please find the original copy of the survey performed on the referenced well by PathFinder, 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>
Justin Medlock MWD	Triste Draw 25 Federal #7H Original Hole	9400.00 Ft to 14577.00 Ft	October 28, 2015 to November 7, 2015	SlimPulse

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

Alex Paharsingh
Field Service Manager

SCHLUMBERGER
Survey Report

30-Nov-2015

Client.....: Cimarex Energy Co.
Field.....: Bone Spring

Well.....: Triste Draw 25 Federal #7
API number.....: 30-025-42081
Engineer.....: Justin Medlock
Country.....: Lea
State.....: New Mexico
Rig.....: Cactus 163

Spud date.....: 19-Oct-15
Last survey date.....: 7-Nov-15
Total accepted surveys...: 76
MD of first survey.....: 9400.00 ft
MD of last survey.....: 14506.00 ft
Latitude.....: 32° 16' 10.18" N
Longitude.....: 103° 37' 26.35" 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.....: 3693.00
KB above permanent.....: 3716.00
DF above permanent.....: 3716.00

--- Vertical section origin ---
Latitude (+N/-).....: 0.00 ft
Departure (+E/-).....: 0.00 ft

--- Grid Coordinates ---
NAD27 Texas State Plane, Central Zone, US Feet
X.....: 760583.10 ft
Y.....: 462499.30 ft

Azimuth from Vsect Origin to target: 348.55 degrees

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

---Run1--- Calculation Date: 27-Oct-2015
Location G....: 998.94325 mgn Tolerance G...: 2.50 mgn
Location B....: 48409.53 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.0782 degrees Tolerance Dip: 0.45 degrees

---Run2--- Calculation Date: 31-Oct-2015
Location G....: 998.94325 mgn Tolerance G...: 2.50 mgn
Location B....: 48408.35 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.0781 degrees Tolerance Dip: 0.45 degrees

---Run3--- Calculation Date: 3-Nov-2015
Location G....: 998.94325 mgn Tolerance G...: 2.50 mgn
Location B....: 48407.46 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.078 degrees Tolerance Dip: 0.45 degrees

HDGM Model: 2015

---Run1---
Magnetic dec (+E/W-).....: 7.0384 degrees
Grid Conv (+E/W-).....: 0.3784 degrees
Total Azim Corr (+E/W-)..: 6.66 degrees

---Run2---
Magnetic dec (+E/W-).....: 7.0372 degrees
Grid Conv (+E/W-).....: 0.3772 degrees
Total Azim Corr (+E/W-)..: 6.66 degrees

---Run3---
Magnetic dec (+E/W-).....: 7.0364 degrees
Grid Conv (+E/W-).....: 0.3764 degrees
Total Azim Corr (+E/W-)..: 6.66 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	121.00	0.71	54.03	121.00	121.00	0.31	0.44	0.61	0.75	54.03	0.59	Other	0	
3	242.00	0.80	80.91	121.00	241.99	0.59	1.01	2.05	2.28	63.65	0.30	Other	0	
4	303.00	0.80	78.31	61.00	302.98	0.57	1.17	2.89	3.11	67.97	0.06	Other	0	

5	395.00	0.80	84.61	92.00	394.97	0.51	1.36	4.15	4.37	71.89	0.10	Other	0
6	486.00	0.62	92.46	91.00	485.96	0.32	1.40	5.28	5.46	75.18	0.22	Other	0
7	576.00	0.49	90.65	90.00	575.96	0.12	1.37	6.15	6.3	77.43	0.15	Other	0
8	667.00	0.40	87.83	91.00	666.96	-0.01	1.38	6.86	6.99	78.63	0.10	Other	0
9	759.00	0.40	105.19	92.00	758.96	-0.21	1.31	7.49	7.6	80.10	0.13	Other	0
10	850.00	0.31	107.40	91.00	849.95	-0.47	1.15	8.03	8.11	81.85	0.10	Other	0
11	946.00	0.22	128.77	96.00	945.95	-0.73	0.96	8.42	8.47	83.51	0.14	Other	0
12	1041.00	0.09	36.27	95.00	1040.95	-0.82	0.90	8.61	8.65	84.01	0.25	Other	0
13	1135.00	0.31	33.10	94.00	1134.95	-0.59	1.18	8.79	8.87	82.38	0.23	Other	0
14	1231.00	0.22	35.08	96.00	1230.95	-0.28	1.54	9.04	9.17	80.30	0.09	Other	0
15	1277.00	0.31	41.43	46.00	1276.95	-0.15	1.71	9.17	9.33	79.44	0.21	Other	0
16	1357.00	0.22	66.90	80.00	1356.95	0.02	1.93	9.45	9.65	78.45	0.18	Other	0
17	1415.00	0.22	52.44	58.00	1414.95	0.09	2.04	9.64	9.86	78.04	0.10	Other	0
18	1511.00	0.31	358.27	96.00	1510.95	0.42	2.42	9.78	10.08	76.13	0.26	Other	0
19	1605.00	0.31	358.89	94.00	1604.95	0.93	2.92	9.77	10.2	73.34	0.00	Other	0
20	1699.00	0.31	2.81	94.00	1698.95	1.42	3.43	9.78	10.36	70.66	0.02	Other	0
21	1794.00	0.30	3.23	95.00	1793.94	1.91	3.94	9.80	10.57	68.12	0.01	Other	0
22	1890.00	0.31	6.29	96.00	1889.94	2.40	4.45	9.85	10.8	65.70	0.02	Other	0
23	1985.00	0.31	1.40	95.00	1984.94	2.90	4.96	9.88	11.06	63.35	0.03	Other	0
24	2079.00	0.31	20.94	94.00	2078.94	3.36	5.45	9.98	11.37	61.36	0.11	Other	0
25	2174.00	0.31	1.80	95.00	2173.94	3.83	5.95	10.08	11.7	59.45	0.11	Other	0
26	2270.00	0.49	2.99	96.00	2269.94	4.48	6.62	10.11	12.08	56.79	0.19	Other	0
27	2363.00	0.49	0.21	93.00	2362.93	5.25	7.41	10.13	12.55	53.81	0.03	Other	0
28	2458.00	0.49	4.09	95.00	2457.93	6.04	8.22	10.16	13.07	51.02	0.03	Other	0
29	2553.00	0.71	6.60	95.00	2552.92	6.99	9.21	10.26	13.79	48.07	0.23	Other	0
30	2652.00	0.62	17.63	99.00	2651.92	8.04	10.33	10.49	14.72	45.43	0.16	Other	0
31	2775.00	0.71	17.06	123.00	2774.91	9.29	11.70	10.91	16	43.02	0.07	Other	0
32	2841.00	0.80	7.63	66.00	2840.90	10.09	12.54	11.10	16.75	41.50	0.23	Other	0
33	2936.00	0.71	3.52	95.00	2935.90	11.28	13.79	11.22	17.78	39.14	0.11	Other	0
34	3031.00	1.10	5.19	95.00	3030.88	12.73	15.28	11.34	19.03	36.57	0.41	Other	0
35	3126.00	0.80	319.67	95.00	3125.87	14.18	16.70	10.99	19.99	33.36	0.83	Other	0
36	3221.00	0.88	318.57	95.00	3220.86	15.39	17.75	10.08	20.41	29.59	0.09	Other	0
37	3316.00	1.02	322.09	95.00	3315.85	16.78	18.96	9.08	21.02	25.58	0.16	Other	0
38	3411.00	1.10	318.39	95.00	3410.83	18.33	20.31	7.95	21.81	21.38	0.11	Other	0
39	3505.00	1.02	320.86	94.00	3504.82	19.85	21.64	6.83	22.69	17.51	0.10	Other	0
40	3601.00	1.19	335.71	96.00	3600.80	21.58	23.21	5.88	23.94	14.21	0.35	Other	0
41	3696.00	1.33	339.01	95.00	3695.78	23.63	25.14	5.08	25.64	11.42	0.17	Other	0
42	3749.00	1.33	335.62	53.00	3748.76	24.83	26.27	4.60	26.67	9.93	0.15	Other	0
43	3788.00	1.19	333.33	39.00	3787.75	25.67	27.04	4.23	27.37	8.89	0.38	Other	0
44	3883.00	1.02	328.61	95.00	3882.73	27.41	28.65	3.35	28.84	6.67	0.20	Other	0
45	3979.00	1.10	321.78	96.00	3978.72	29.04	30.10	2.33	30.19	4.43	0.16	Other	0
46	4067.00	1.10	326.50	88.00	4066.70	30.58	31.47	1.35	31.5	2.45	0.10	Other	0
47	4263.00	0.80	357.48	196.00	4262.68	33.67	34.41	0.25	34.41	0.41	0.30	Other	0
48	4358.00	0.62	41.21	95.00	4357.67	34.64	35.45	0.56	35.46	0.90	0.58	Other	0
49	4451.00	0.80	57.95	93.00	4450.66	35.17	36.18	1.44	36.21	2.28	0.29	Other	0
50	4547.00	0.80	67.29	96.00	4546.65	35.54	36.79	2.62	36.89	4.08	0.14	Other	0
51	4644.00	1.33	88.14	97.00	4643.64	35.48	37.09	4.37	37.35	6.73	0.67	Other	0
52	4740.00	1.72	99.46	96.00	4739.60	34.78	36.89	6.91	37.53	10.61	0.51	Other	0
53	4836.00	1.90	99.77	96.00	4835.55	33.69	36.38	9.90	37.71	15.22	0.19	Other	0
54	4930.00	1.81	97.66	94.00	4929.50	32.64	35.92	12.91	38.17	19.76	0.12	Other	0
55	4954.00	1.81	100.26	24.00	4953.49	32.38	35.80	13.65	38.32	20.88	0.34	Other	0
56	5017.00	2.03	103.39	63.00	5016.46	31.54	35.37	15.72	38.7	23.96	0.39	Other	0
57	5112.00	1.02	176.36	95.00	5111.43	30.00	34.13	17.41	38.32	27.02	2.09	Other	0
58	5208.00	2.52	245.15	96.00	5207.39	28.66	32.39	15.55	35.93	25.64	2.45	Other	0
59	5303.00	5.21	245.28	95.00	5302.16	27.19	29.71	9.73	31.27	18.14	2.83	Other	0
60	5397.00	8.13	241.76	94.00	5395.52	24.29	24.78	0.00	24.78	360.00	3.14	Other	0
61	5492.00	10.16	243.87	95.00	5489.31	20.22	17.91	-13.44	22.39	323.11	2.17	Other	0
62	5586.00	10.34	244.05	94.00	5581.81	16.01	10.57	-28.47	30.37	290.36	0.19	Other	0
63	5680.00	10.40	243.65	94.00	5674.27	11.72	3.11	-43.66	43.77	274.08	0.10	Other	0
64	5776.00	10.65	243.26	96.00	5768.65	7.15	-4.73	-59.35	59.53	265.45	0.27	Other	0
65	5870.00	10.47	242.24	94.00	5861.06	2.47	-12.61	-74.66	75.72	260.41	0.28	Other	0
66	5964.00	10.34	241.85	94.00	5953.52	-2.36	-20.57	-89.66	91.99	257.08	0.16	Other	0
67	6058.00	11.36	245.99	94.00	6045.84	-6.79	-28.32	-105.55	109.29	254.98	1.36	Other	0
68	6153.00	11.18	246.69	95.00	6139.00	-10.72	-35.77	-122.56	127.67	253.73	0.24	Other	0
69	6250.00	10.96	245.86	97.00	6234.20	-14.67	-43.26	-139.61	146.16	252.78	0.28	Other	0
70	6345.00	11.05	246.47	95.00	6327.45	-18.56	-50.59	-156.20	164.19	252.05	0.15	Other	0
71	6441.00	11.18	246.96	96.00	6421.65	-22.36	-57.90	-173.20	182.62	251.51	0.17	Other	0
72	6530.00	11.18	246.56	89.00	6508.96	-25.88	-64.71	-189.05	199.82	251.10	0.09	Other	0
73	6625.00	11.05	246.78	95.00	6602.18	-29.65	-71.97	-205.87	218.09	250.73	0.14	Other	0
74	6722.00	10.56	247.09	97.00	6697.46	-33.31	-79.09	-222.60	236.23	250.44	0.51	Other	0
75	6816.00	10.96	247.18	94.00	6789.81	-36.78	-85.91	-238.77	253.75	250.21	0.43	Other	0
76	6912.00	10.87	247.57	96.00	6884.07	-40.30	-92.90	-255.55	271.91	250.02	0.12	Other	0
77	7007.00	10.87	247.66	95.00	6977.37	-43.70	-99.73	-272.11	289.81	249.87	0.02	Other	0
78	7103.00	11.05	247.57	96.00	7071.62	-47.16	-106.68	-288.99	308.05	249.74	0.19	Other	0
79	7197.00	11.18	247.49	94.00	7163.85	-50.62	-113.60	-305.74	326.16	249.62	0.14	Other	0
80	7292.00	11.05	247.40	95.00	7257.07	-54.15	-120.63	-322.65	344.46	249.50	0.14	Other	0
81	7386.00	10.25	246.56	94.00	7349.45	-57.63	-127.42	-338.64	361.82	249.38	0.87	Other	0
82	7482.00	10.08	245.15	96.00	7443.94	-61.35	-134.35	-354.10	378.73	249.22	0.31	Other	0
83	7575.00	10.47	250.57	93.00	7535.45	-64.40	-140.58	-369.45	395.29	249.17	1.12	Other	0
84	7669.00	10.16	249.87	94.00	7627.94	-66.84	-146.27	-385.29	412.12	249.21	0.36	Other	0
85	7764.00	9.94	248.76	95.00	7721.48	-69.50	-152.12	-400.80	428.7	249.22	0.31	Other	0
86	7859.00	9.77	247.97	95.00	7815.08	-72.37	-158.12	-415.91	444.96	249.18	0.23	Other	0
87	7954.00	9.24	246.38	95.00	7908.77	-75.46	-164.20	-430.38	460.63	249.12	0.62	Other	0
88	8049.00	8.84	244.97	95.00	8002.59	-78.78	-170.34	-443.98	475.53	249.01	0.48	Other	0
89	8143.00	10.25	246.16	94.00	8095.29	-82.27	-176.78	-458.17	491.09	248.90	1.51	Other	0
90	8239.00	9.63	245.68	96.00	8189.85	-85.89	-183.54	-473.30	507.64	248.80	0.65	Other	0
91	8332.00	11.36	251.10	93.00	8281.29	-88.80	-189.71	-489.06	524.56	248.80	2.14	Other	0
92	8427.00	10.96	251.28	95.00	8374.49	-91.16	-195.64	-506.46	542.94	248.88	0.42	Other	0
93	8521.00	10.16	250.26	94.00	8466.90	-93.48	-201.31	-522.73	560.15	248.94	0.87	Other	0

94	8617.00	11.05	250.09	96.00	8561.26	-96.06	-207.30	-539.35	577.82	248.98	0.93	Other	0
95	8668.00	11.00	250.00	51.00	8611.32	-97.50	-210.63	-548.52	587.57	248.99	0.10	Other	0
96	8712.00	10.16	249.87	44.00	8654.57	-98.71	-213.40	-556.11	595.64	249.01	1.91	Other	0
97	8808.00	9.24	249.69	96.00	8749.20	-101.17	-218.99	-571.28	611.82	249.03	0.96	Other	0
98	8903.00	8.53	250.39	95.00	8843.06	-103.34	-224.00	-585.07	626.49	249.05	0.76	Other	0
99	8997.00	7.64	249.78	94.00	8936.12	-105.29	-228.50	-597.50	639.71	249.07	0.95	Other	0
100	9092.00	6.54	250.88	95.00	9030.39	-106.97	-232.45	-608.54	651.43	249.09	1.17	Other	0
101	9186.00	5.61	250.48	94.00	9123.86	-108.33	-235.74	-617.93	661.37	249.12	0.99	Other	0
102	9281.00	4.42	247.09	95.00	9218.50	-109.71	-238.72	-625.68	669.67	249.12	1.29	Other	0
103	9350.00	3.54	249.38	69.00	9287.33	-110.57	-240.51	-630.12	674.46	249.11	1.30	Other	0
104	9400.00	3.26	260.85	50.00	9337.24	-110.76	-241.28	-632.97	677.4	249.13	1.47	SlimPulse	0
105	9432.00	6.17	286.63	32.00	9369.14	-109.92	-240.93	-635.52	679.65	249.24	11.01	SlimPulse	0
106	9464.00	10.40	294.40	32.00	9400.80	-107.41	-239.24	-639.80	683.07	249.50	13.66	SlimPulse	0
107	9495.00	14.46	302.21	31.00	9431.06	-103.10	-236.02	-645.62	687.41	249.92	14.15	SlimPulse	0
108	9527.00	17.67	309.77	32.00	9461.81	-96.55	-230.78	-652.74	692.34	250.53	11.96	SlimPulse	0
109	9558.00	20.46	317.47	31.00	9491.11	-88.24	-223.78	-660.02	696.93	251.27	12.08	SlimPulse	0
110	9590.00	22.76	321.71	32.00	9520.87	-77.92	-214.80	-667.64	701.34	252.17	8.70	SlimPulse	0
111	9622.00	25.37	322.86	32.00	9550.08	-66.22	-204.47	-675.62	705.88	253.16	8.27	SlimPulse	0
112	9654.00	28.28	323.87	32.00	9578.63	-53.15	-192.88	-684.23	710.89	254.26	9.23	SlimPulse	0
113	9686.00	31.04	324.84	32.00	9606.44	-38.70	-180.01	-693.45	716.43	255.45	8.74	SlimPulse	0
114	9717.00	35.25	324.99	31.00	9632.39	-23.18	-166.14	-703.19	722.55	256.71	13.59	SlimPulse	0
115	9748.00	38.02	326.44	31.00	9657.26	-6.13	-150.85	-713.60	729.37	258.06	9.35	SlimPulse	0
116	9780.00	41.33	329.78	32.00	9681.89	13.02	-133.50	-724.37	736.57	259.56	12.29	SlimPulse	0
117	9811.00	44.20	331.97	31.00	9704.65	33.07	-115.11	-734.61	743.57	261.09	10.43	SlimPulse	0
118	9843.00	47.28	333.30	32.00	9726.98	55.11	-94.76	-745.13	751.13	262.75	10.08	SlimPulse	0
119	9874.00	50.24	333.93	31.00	9747.41	77.63	-73.88	-755.49	759.09	264.41	9.64	SlimPulse	0
120	9906.00	53.16	334.60	32.00	9767.24	101.96	-51.26	-766.39	768.1	266.17	9.30	SlimPulse	0
121	9938.00	56.20	336.13	32.00	9785.74	127.38	-27.53	-777.26	777.75	267.97	10.25	SlimPulse	0
122	9970.00	59.34	337.86	32.00	9802.81	153.90	-2.61	-787.83	787.84	269.81	10.82	SlimPulse	0
123	10001.00	62.42	338.94	31.00	9817.89	180.56	22.56	-797.80	798.12	271.62	10.41	SlimPulse	0
124	10033.00	65.35	339.71	32.00	9831.98	208.92	49.45	-807.94	809.45	273.50	9.39	SlimPulse	0
125	10065.00	67.60	340.63	32.00	9844.75	237.94	77.04	-817.89	821.51	275.38	7.53	SlimPulse	0
126	10097.00	69.49	343.10	32.00	9856.45	267.52	105.34	-827.15	833.84	277.26	9.28	SlimPulse	0
127	10128.00	71.81	345.40	31.00	9866.73	296.68	133.49	-835.09	845.69	279.08	10.26	SlimPulse	0
128	10159.00	74.43	347.61	31.00	9875.73	326.32	162.33	-842.01	857.51	280.91	10.87	SlimPulse	0
129	10191.00	76.80	349.46	32.00	9883.68	357.31	192.71	-848.16	869.78	282.80	9.30	SlimPulse	0
130	10222.00	79.24	351.73	31.00	9890.11	387.62	222.62	-853.11	881.68	284.63	10.62	SlimPulse	0
131	10254.00	81.19	353.80	32.00	9895.55	419.06	253.90	-857.08	893.9	286.50	8.83	SlimPulse	0
132	10285.00	83.93	356.22	31.00	9899.57	449.60	284.52	-859.75	905.61	288.31	11.75	SlimPulse	0
133	10317.00	87.87	357.71	32.00	9901.86	481.16	316.39	-861.44	917.7	290.17	13.15	SlimPulse	0
134	10349.00	90.45	358.25	32.00	9902.33	512.73	348.36	-862.57	930.26	291.99	8.23	SlimPulse	0
135	10380.00	90.86	358.20	31.00	9901.98	543.28	379.34	-863.53	943.18	293.72	1.34	SlimPulse	0
136	10477.00	92.20	358.80	97.00	9899.38	638.78	476.27	-866.07	988.39	298.81	1.51	SlimPulse	0
137	10572.00	92.06	359.48	95.00	9895.85	732.10	571.20	-867.49	1038.66	303.36	0.72	SlimPulse	0
138	10666.00	91.44	359.80	94.00	9892.97	824.30	665.15	-868.09	1093.62	307.46	0.74	SlimPulse	0
139	10762.00	91.38	359.41	96.00	9890.61	918.49	761.12	-868.75	1155	311.22	0.41	SlimPulse	0
140	10857.00	91.69	359.23	95.00	9888.07	1011.78	856.08	-869.88	1220.48	314.54	0.37	SlimPulse	0
141	10952.00	91.65	359.05	95.00	9885.31	1105.12	951.03	-871.31	1289.82	317.50	0.20	SlimPulse	0
142	11047.00	91.89	358.97	95.00	9882.37	1198.50	1045.97	-872.95	1362.38	320.15	0.27	SlimPulse	0
143	11142.00	93.61	359.00	95.00	9877.81	1291.81	1140.84	-874.63	1437.53	322.52	1.81	SlimPulse	0
144	11237.00	92.68	358.93	95.00	9872.59	1385.10	1235.68	-876.34	1514.88	324.66	0.98	SlimPulse	0
145	11332.00	91.27	359.30	95.00	9869.31	1478.43	1330.61	-877.81	1594.07	326.59	1.53	SlimPulse	0
146	11427.00	91.41	359.10	95.00	9867.09	1571.77	1425.57	-879.14	1674.86	328.34	0.25	SlimPulse	0
147	11522.00	89.62	359.52	95.00	9866.23	1665.09	1520.56	-880.28	1756.98	329.93	1.93	SlimPulse	0
148	11616.00	90.07	359.47	94.00	9866.49	1757.38	1614.55	-881.11	1839.33	331.38	0.48	SlimPulse	0
149	11711.00	89.72	358.93	95.00	9866.66	1850.74	1709.54	-882.43	1923.86	332.70	0.68	SlimPulse	0
150	11806.00	89.24	357.67	95.00	9867.51	1944.36	1804.50	-885.25	2009.94	333.87	1.42	SlimPulse	0
151	11901.00	89.52	357.12	95.00	9868.54	2038.22	1899.39	-889.57	2097.38	334.90	0.65	SlimPulse	0
152	11996.00	88.97	356.46	95.00	9869.79	2132.23	1994.23	-894.89	2185.82	335.83	0.91	SlimPulse	0
153	12090.00	89.62	356.48	94.00	9870.95	2225.33	2088.05	-900.68	2274.02	336.67	0.70	SlimPulse	0
154	12185.00	90.34	356.93	95.00	9870.98	2319.37	2182.89	-906.14	2363.49	337.46	0.89	SlimPulse	0
155	12279.00	90.14	356.69	94.00	9870.58	2412.39	2276.74	-911.37	2452.38	338.18	0.34	SlimPulse	0
156	12375.00	90.31	356.34	96.00	9870.21	2507.46	2372.56	-917.20	2543.68	338.86	0.40	SlimPulse	0
157	12470.00	90.62	358.74	95.00	9869.44	2601.28	2467.47	-921.28	2633.85	339.53	2.54	SlimPulse	0
158	12565.00	91.14	358.24	95.00	9867.98	2694.84	2562.42	-923.78	2723.85	340.18	0.75	SlimPulse	0
159	12659.00	90.41	355.65	94.00	9866.71	2787.82	2656.27	-928.79	2813.97	340.73	2.86	SlimPulse	0
160	12754.00	90.62	356.69	95.00	9865.86	2881.97	2751.05	-935.13	2905.64	341.23	1.11	SlimPulse	0
161	12849.00	90.10	355.37	95.00	9865.26	2976.16	2845.82	-941.70	2997.58	341.69	1.49	SlimPulse	0
162	12945.00	87.80	0.24	96.00	9867.02	3070.85	2941.70	-945.38	3089.88	342.18	5.61	SlimPulse	0
163	13040.00	88.45	0.95	95.00	9870.13	3163.71	3036.64	-944.39	3180.11	342.72	1.02	SlimPulse	0
164	13135.00	89.11	359.75	95.00	9872.15	3256.68	3131.62	-943.82	3270.75	343.23	1.44	SlimPulse	0
165	13229.00	89.83	0.41	94.00	9873.03	3348.78	3225.61	-943.69	3360.82	343.69	1.04	SlimPulse	0
166	13324.00	90.10	0.72	95.00	9873.08	3441.69	3320.61	-942.75	3451.84	344.15	0.44	SlimPulse	0
167	13419.00	89.59	0.28	95.00	9873.34	3534.63	3415.60	-941.92	3543.1	344.58	0.72	SlimPulse	0
168	13513.00	89.83	0.31	94.00	9873.82	3626.66	3509.60	-941.44	3633.68	344.98	0.26	SlimPulse	0
169	13608.00	89.59	0.91	95.00	9874.30	3719.56	3604.59	-940.43	3725.25	345.38	0.68	SlimPulse	0
170	13703.00	89.55	1.15	95.00	9875.02	3812.31	3699.58	-938.72	3816.81	345.76	0.26	SlimPulse	0
171	13798.00	90.28	1.04	95.00	9875.16	3905.04	3794.56	-936.90	3908.51	346.13	0.77	SlimPulse	0
172	13893.00	89.90	0.50	95.00	9875.02	3997.88	3889.55	-935.62	4000.5	346.47	0.69	SlimPulse	0
173	13987.00	90.17	0.23	94.00	9874.96	4089.89	3983.55	-935.02	4091.81	346.79	0.41	SlimPulse	0
174	14082.00	91.27	0.23	95.00	9873.76	4182.91	4078.54	-934.63	4184.26	347.09	1.16	SlimPulse	0
175	14177.00	89.41	0.03	95.00	9873.19	4275.97	4173.53	-934.42	4276.86	347.38	1.97	SlimPulse	0
176	14271.00	89.76	0.31	94.00	9873.87	4368.04	4267.53	-934.14	4368.57	347.65	0.47	SlimPulse	0
177	14366.00	89.72	0.52	95.00	9874.30	4461.01	4362.52	-933.46	4461.27	347.92	0.22	SlimPulse	