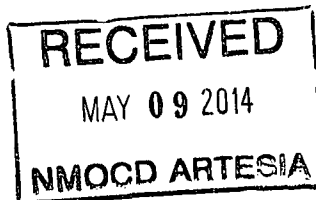


Offshore Services, Central U.S. Land

Reservoir Development

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



PATHFINDER
A Schlumberger Company

February 28, 2014

Cimarex Energy Co.
600 N MARIENFELD STREET SUITE 600

Midland, TX 79701

Re:

O-S32-T25S-R27E 330 FSL 1980 FEL
32° 4' 47.729" N 104° 12' 36.785" W

CLIENT: Cimarex Energy Co.
WELL: Cottonwood Hills 32 State Com 4H ST01
FIELD: Wildcat (Bone Spring)
RIG: Cactus 116
COUNTY: Eddy
API NO: 30-015-41602-01
JOB NO: 14MLD0083

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>
Ricardo Gonzalez Field Engineer	Cottonwood Hills 32 State Com 4H-ST01 Sidetrack	6477.00 Ft to 11790.00 Ft	February 15, 2014 to February 22, 2014	SlimPulse

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

Joseph Hogan
Field Service Manager

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:

O-S32-T25S-R27E 330 FSL 1980 FEL

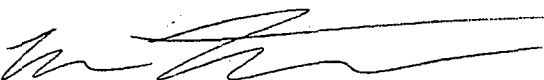
32° 4' 47.729" N 104° 12' 36.785" W

I, Ricardo Gonzalez certify that; I am employed by PathFinder, a division of Schlumberger Technology Corporation; that I did on the day(s) of February 15, 2014 through February 22, 2014, conduct or supervise the taking of the SlimPulse surveys from a depth of 6477.00 feet to a depth of 11790.00 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 Cottonwood Hills 32 State Com 4H ST01 Well (Sidetrack) API No. 30-015-41602-01 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

Ricardo Gonzalez

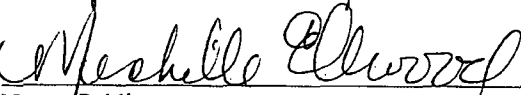
Field Engineer

 on behalf of Ricardo Gonzalez

Subscribed and Sworn to before me this 28th day of February (month) 2014 (yr)

My Commission expires:

September 5, 2016



Notary Public

Midland, TX

(County State)



Client.....: Cimarex Energy Co.
Field.....: Wildcat (Bone Spring)

Well.....: Cottonwood Hills 32 State Com 4H ST01
API number.....: 30-015-41602-01
Engineer.....: Ricardo Gonzalez

Spud date.....: 2-Feb-14
Last survey date.....: 22-Feb-14
Total accepted surveys...: 75
MD of first survey.....: 6477.00 ft
MD of last survey.....: 11790.00 ft

County.....: Eddy
State.....: New Mexico
Rig.....: Cactus 116

Latitude.....: 32° 4' 47.729" N
Longitude.....: 104° 12' 36.785" 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.....: 3210.00 ft
KB above permanent.....: 3234.00 ft
DF above permanent.....: 3234.00 ft

----- 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.....: 579,468.60 ft
Y.....: 392,835.50 ft

Azimuth from Vsect Origin to target: 1.17 degrees

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

-----Run1----- Calculation Date: 13-Feb-2014
Location G....: 998.82 mgn Tolerance G....: 2.5 mgn
Location B....: 48166.23 nT Tolerance B....: 300 nT
Magnetic Dip: 59.86 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 14-Feb-2014
Location G....: 998.82 mgn Tolerance G....: 2.5 mgn
Location B....: 48165.92 nT Tolerance B....: 300 nT
Magnetic Dip: 59.86 degrees Tolerance Dip: 0.45 degrees

-----Run3----- Calculation Date: 14-Feb-2014
Location G....: 998.82 mgn Tolerance G....: 2.5 mgn
Location B....: 48165.92 nT Tolerance B....: 300 nT
Magnetic Dip: 59.86 degrees Tolerance Dip: 0.45 degrees

-----Run4----- Calculation Date: 16-Feb-2014
Location G....: 998.82 mgn Tolerance G....: 2.5 mgn
Location B....: 48165.29 nT Tolerance B....: 300 nT
Magnetic Dip: 59.86 degrees Tolerance Dip: 0.45 degrees

-----Run5----- Calculation Date: 18-Feb-2014
Location G....: 998.82 mgn Tolerance G....: 2.5 mgn
Location B....: 48164.65 nT Tolerance B....: 300 nT
Magnetic Dip: 59.86 degrees Tolerance Dip: 0.45 degrees

-----Run6----- Calculation Date: 19-Feb-2014
Location G....: 998.82 mgn Tolerance G....: 2.5 mgn
Location B....: 48164.34 nT Tolerance B....: 300 nT
Magnetic Dip: 59.86 degrees Tolerance Dip: 0.45 degrees

-----Run1-----
Magnetic dec (+E/W-).....: 7.6574 degrees
Grid Conv (+E/W-).....: 0.0654 degrees
Total Azim Corr (+E/W-)...: 7.5921 degrees

-----Run2-----
Magnetic dec (+E/W-).....: 7.6571 degrees
Grid Conv (+E/W-).....: 0.0654 degrees
Total Azim Corr (+E/W-)...: 7.5918 degrees

-----Run3-----
Magnetic dec (+E/W-).....: 7.6571 degrees
Grid Conv (+E/W-).....: 0.0654 degrees
Total Azim Corr (+E/W-)...: 7.5918 degrees

-----Run4-----
Magnetic dec (+E/W-).....: 7.6565 degrees
Grid Conv (+E/W-).....: 0.0654 degrees
Total Azim Corr (+E/W-)...: 7.5912 degrees

-----Run5-----
Magnetic dec (+E/W-).....: 7.6559 degrees
Grid Conv (+E/W-).....: 0.0654 degrees
Total Azim Corr (+E/W-)...: 7.5905 degrees

-----Run6-----
Magnetic dec (+E/W-).....: 7.6556 degrees
Grid Conv (+E/W-).....: 0.0654 degrees
Total Azim Corr (+E/W-)...: 7.5902 degrees

-----Survey Correction Index Description-----
0 = Uncorrected 2 = Sag Corrected
1 = 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	0.00	90.00	0.00	TIP	0
2	258.00	1.32	311.22	258.00	257.98	1.91	1.96	-2.24	2.97	311.22	0.51	GyroTool	0
3	316.00	1.41	303.49	58.00	315.96	2.72	2.79	-3.33	4.35	309.96	0.35	GyroTool	0
4	377.00	1.19	292.41	61.00	376.95	3.35	3.45	-4.54	5.70	307.19	0.55	GyroTool	0
5	506.00	1.41	300.28	129.00	505.91	4.61	4.76	-7.15	8.59	303.63	0.22	GyroTool	0
6	619.00	1.41	300.89	113.00	618.88	5.98	6.17	-9.55	11.37	302.89	0.01	GyroTool	0
7	680.00	1.41	305.82	61.00	679.86	6.78	7.00	-10.80	12.87	302.94	0.20	GyroTool	0
8	742.00	1.49	306.21	62.00	741.84	7.67	7.92	-12.07	14.44	303.28	0.13	GyroTool	0
9	832.00	1.71	306.78	90.00	831.80	9.13	9.42	-14.09	16.95	303.76	0.25	GyroTool	0
10	923.00	1.71	310.61	91.00	922.76	10.78	11.11	-16.21	19.65	304.44	0.13	GyroTool	0
11	1016.04	1.80	311.88	93.04	1015.76	12.62	12.99	-18.35	22.48	305.30	0.11	GyroTool	0
12	1107.60	2.02	303.09	91.56	1107.27	14.41	14.83	-20.77	25.52	305.53	0.40	GyroTool	0
13	1198.25	1.89	306.08	90.65	1197.87	16.11	16.59	-23.32	28.61	305.42	0.18	GyroTool	0
14	1289.00	2.11	309.29	90.75	1288.56	17.99	18.52	-25.82	31.78	305.66	0.27	GyroTool	0
15	1383.00	1.71	316.01	94.00	1382.51	20.05	20.63	-28.13	34.89	306.25	0.49	GyroTool	0
16	1482.00	1.58	337.28	99.00	1481.47	22.34	22.95	-29.69	37.52	307.71	0.63	GyroTool	0
17	1577.00	1.58	338.51	95.00	1576.43	24.75	25.38	-30.67	39.81	309.60	0.04	GyroTool	0
18	1670.00	1.49	334.31	93.00	1669.40	27.01	27.66	-31.67	42.05	311.14	0.15	GyroTool	0
19	1765.00	1.41	357.10	95.00	1764.37	29.28	29.94	-32.26	44.01	312.86	0.61	GyroTool	0
20	1860.00	1.58	11.38	95.00	1859.34	31.73	32.39	-32.06	45.58	315.29	0.43	GyroTool	0
21	1955.00	1.58	9.49	95.00	1954.30	34.32	34.97	-31.59	47.12	317.91	0.05	GyroTool	0
22	2001.00	1.49	11.60	46.00	2000.29	35.53	36.18	-31.36	47.88	319.08	0.23	GyroTool	0
23	2148.00	1.32	12.61	147.00	2147.24	39.07	39.70	-30.61	50.13	322.37	0.12	GyroTool	0
24	2243.00	1.32	12.00	95.00	2242.22	41.22	41.84	-30.14	51.57	324.23	0.01	GyroTool	0
25	2336.00	1.32	12.08	93.00	2335.19	43.32	43.94	-29.69	53.03	325.95	0.00	GyroTool	0
26	2430.00	1.32	14.81	94.00	2429.17	45.44	46.04	-29.19	54.52	327.62	0.07	GyroTool	0
27	2524.00	1.32	14.41	94.00	2523.14	47.54	48.14	-28.65	56.02	329.24	0.01	GyroTool	0
28	2618.00	1.19	9.49	94.00	2617.12	49.56	50.15	-28.21	57.54	330.64	0.18	GyroTool	0
29	2714.00	1.32	14.19	96.00	2713.10	51.63	52.20	-27.78	59.14	331.98	0.17	GyroTool	0
30	2808.00	1.19	351.08	94.00	2807.07	53.64	54.22	-27.67	60.87	332.97	0.55	GyroTool	0
31	2905.00	2.29	3.21	97.00	2904.03	56.57	57.15	-27.71	63.51	334.13	1.19	GyroTool	0

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
32	2967.00	1.10	354.11	62.00	2966.00	58.40	58.98	-27.70	65.16	334.84	1.96	GyroTool	0
33	2999.00	1.10	351.08	32.00	2997.99	59.01	59.59	-27.78	65.75	335.00	0.18	GyroTool	0
34	3094.00	1.10	347.21	95.00	3092.98	60.79	61.38	-28.13	67.51	335.38	0.08	GyroTool	0
35	3188.00	1.19	348.40	94.00	3186.96	62.62	63.21	-28.52	69.35	335.71	0.10	GyroTool	0
36	3283.00	1.19	344.09	95.00	3281.94	64.52	65.13	-28.99	71.29	336.00	0.09	GyroTool	0
37	3378.00	1.41	340.00	95.00	3376.91	66.56	67.17	-29.66	73.43	336.18	0.25	GyroTool	0
38	3473.00	1.10	331.22	95.00	3471.89	68.44	69.07	-30.50	75.51	336.17	0.38	GyroTool	0
39	3568.00	2.02	323.09	95.00	3566.85	70.54	71.21	-31.95	78.05	335.84	0.99	GyroTool	0
40	3662.00	0.70	303.88	94.00	3660.83	72.16	72.85	-33.42	80.15	335.36	1.47	GyroTool	0
41	3757.00	1.10	357.50	95.00	3755.82	73.38	74.09	-33.94	81.49	335.39	0.93	GyroTool	0
42	3851.00	1.32	304.10	94.00	3849.80	74.87	75.60	-34.87	83.25	335.24	1.18	GyroTool	0
43	3945.00	0.70	297.99	94.00	3943.78	75.72	76.47	-36.28	84.64	334.62	0.67	GyroTool	0
44	4039.00	0.62	313.42	94.00	4037.78	76.32	77.09	-37.15	85.58	334.27	0.21	GyroTool	0
45	4135.00	0.48	305.42	96.00	4133.77	76.90	77.68	-37.86	86.42	334.02	0.17	GyroTool	0
46	4230.00	0.62	249.39	95.00	4228.77	76.93	77.73	-38.67	86.82	333.55	0.56	GyroTool	0
47	4325.00	0.79	248.99	95.00	4323.76	76.49	77.32	-39.76	86.94	332.79	0.18	GyroTool	0
48	4419.00	1.01	247.02	94.00	4417.75	75.91	76.76	-41.13	87.08	331.82	0.24	GyroTool	0
49	4513.00	1.01	232.60	94.00	4511.73	75.05	75.93	-42.55	87.04	330.74	0.27	GyroTool	0
50	4607.00	1.19	232.51	94.00	4605.72	73.93	74.84	-43.98	86.80	329.56	0.19	GyroTool	0
51	4703.00	1.19	230.89	96.00	4701.70	72.66	73.60	-45.54	86.55	328.25	0.04	GyroTool	0
52	4797.00	1.19	230.32	94.00	4795.68	71.39	72.36	-47.05	86.32	326.97	0.01	GyroTool	0
53	4891.00	1.19	225.00	94.00	4889.66	70.05	71.05	-48.49	86.02	325.69	0.12	GyroTool	0
54	4986.00	1.19	217.62	95.00	4984.64	68.54	69.57	-49.79	85.55	324.41	0.16	GyroTool	0
55	5080.00	1.19	214.98	94.00	5078.61	66.95	68.00	-50.95	84.97	323.16	0.06	GyroTool	0
56	5144.00	1.10	209.79	64.00	5142.60	65.85	66.92	-51.63	84.52	322.35	0.21	GyroTool	0
57	5270.00	1.10	206.72	126.00	5268.58	63.70	64.79	-52.78	83.57	320.83	0.05	GyroTool	0
58	5366.00	1.10	207.51	96.00	5364.56	62.04	63.15	-53.62	82.84	319.67	0.02	GyroTool	0
59	5462.00	1.19	207.91	96.00	5460.54	60.33	61.45	-54.51	82.15	318.43	0.09	GyroTool	0
60	5555.00	0.88	208.52	93.00	5553.53	58.83	59.97	-55.30	81.58	317.32	0.33	GyroTool	0
61	5650.00	1.10	207.42	95.00	5648.51	57.37	58.52	-56.07	81.05	316.22	0.23	GyroTool	0
62	5745.00	1.01	245.39	95.00	5743.50	56.18	57.36	-57.25	81.05	315.05	0.73	GyroTool	0
63	5841.00	0.88	289.69	96.00	5839.49	56.05	57.26	-58.72	82.01	314.28	0.75	GyroTool	0
64	5936.00	1.10	288.90	95.00	5934.47	56.56	57.80	-60.27	83.50	313.80	0.23	GyroTool	0
65	6031.00	1.71	297.99	95.00	6029.44	57.48	58.76	-62.38	85.70	313.29	0.68	GyroTool	0
66	6125.00	1.41	298.39	94.00	6123.41	58.64	59.97	-64.64	88.17	312.85	0.32	GyroTool	0
67	6220.00	1.41	270.88	95.00	6218.38	59.17	60.54	-66.83	90.18	312.17	0.71	GyroTool	0
68	6313.00	1.49	234.40	93.00	6311.35	58.44	59.86	-68.96	91.31	310.96	0.98	GyroTool	0
69	6407.00	1.10	230.19	94.00	6405.33	57.11	58.57	-70.65	91.77	309.66	0.43	GyroTool	0
70	6477.00	1.35	237.77	70.00	6475.31	56.22	57.70	-71.86	92.16	308.76	0.42	SlimPulse	0
71	6572.00	2.34	213.78	95.00	6570.26	53.97	55.49	-73.88	92.40	306.91	1.30	SlimPulse	0
72	6666.00	6.37	6.10	94.00	6664.11	57.56	59.09	-74.40	95.01	308.46	9.06	SlimPulse	0
73	6761.00	9.23	338.89	95.00	6758.25	69.87	71.45	-76.58	104.73	313.01	4.83	SlimPulse	0
74	6856.00	8.59	283.00	95.00	6852.27	78.39	80.16	-86.25	117.75	312.90	8.78	SlimPulse	0
75	6950.00	10.20	287.95	94.00	6945.01	82.23	84.30	-101.01	131.56	309.85	1.92	SlimPulse	0
76	7045.00	14.66	345.57	95.00	7038.08	96.29	98.60	-112.04	149.25	311.35	13.20	SlimPulse	0
77	7108.00	16.28	5.37	63.00	7098.84	112.79	115.12	-113.20	161.46	315.48	8.72	SlimPulse	0
78	7140.00	18.63	13.29	32.00	7129.37	122.26	124.56	-111.61	167.25	318.14	10.43	SlimPulse	0
79	7171.00	21.50	18.59	31.00	7158.49	132.52	134.77	-108.66	173.12	321.12	10.95	SlimPulse	0
80	7203.00	20.21	17.06	32.00	7188.39	143.44	145.61	-105.17	179.62	324.16	4.37	SlimPulse	0
81	7235.00	22.40	19.17	32.00	7218.20	154.55	156.66	-101.54	186.69	327.05	7.25	SlimPulse	0
82	7266.00	23.60	18.05	31.00	7246.73	166.11	168.14	-97.68	194.45	329.85	4.13	SlimPulse	0
83	7325.00	28.71	19.97	59.00	7299.68	190.85	192.71	-89.17	212.34	335.17	8.77	SlimPulse	0
84	7357.00	33.86	20.38	32.00	7327.01	206.55	208.30	-83.44	224.39	338.17	16.10	SlimPulse	0
85	7389.00	39.63	20.05	32.00	7352.64	224.64	226.26	-76.83	238.95	341.24	18.04	SlimPulse	0
86	7420.00	44.51	18.97	31.00	7375.65	244.35	245.83	-69.91	255.58	344.13	15.90	SlimPulse	0
87	7452.00	49.38	17.72	32.00	7397.49	266.69	268.02	-62.56	275.22	346.86	15.49	SlimPulse	0
88	7483.00	52.44	17.19	31.00	7417.03	289.78	290.97	-55.34	296.19	349.23	9.97	SlimPulse	0
89	7515.00	55.14	16.60	32.00	7435.94	314.63	315.67	-47.84	319.28	351.38	8.55	SlimPulse	0
90	7546.00	60.30	15.19	31.00	7452.49	339.97	340.87	-40.68	343.29	353.19	17.09	SlimPulse	0
91	7578.00	65.48	14.01	32.00	7467.07	367.67	368.43	-33.51	369.95	354.80	16.51	SlimPulse	0
92	7610.00	69.32	13.13	32.00	7479.36	396.52	397.14	-26.58	398.03	356.17	12.28	SlimPulse	0
93	7641.00	72.31	12.06	31.00	7489.55	425.21	425.71	-20.20	426.19	357.28	10.18	SlimPulse	0
94	7672.00	75.06	11.02	31.00	7498.26	454.47	454.86	-14.25	455.08	358.21	9.44	SlimPulse	0
95	7704.00	77.79	10.33	32.00	7505.77	485.15	485.42	-8.48	485.50	359.00	8.80	SlimPulse	0
96	7735.00	80.29	9.26	31.00	7511.66	515.24	515.41	-3.31	515.42	359.63	8.72	SlimPulse	0
97	7767.00	83.03	8.12	32.00	7516.30	546.62	546.71	1.48	546.71	0.15	9.27	SlimPulse	0
98	7798.00	84.80	7.39	31.00	7519.59	577.24	577.25	5.64	577.28	0.56	6.16	SlimPulse	0
99	7830.00	86.66	6.40	32.00	7521.97	608.99	608.93	9.47	609.00	0.89	6.60	SlimPulse	0
100	7861.00	88.45	5.39	31.00	7523.30	639.86	639.73	12.65	639.86	1.13	6.63	SlimPulse	0
101	7893.00	89.90	4.53	32.00	7523.76	671.78	671.61	15.42	671.79	1.31	5.25	SlimPulse	0
102	7956.00	91.55	4.31	63.00	7522.96	734.67	734.41	20.27	734.69	1.58	2.65	SlimPulse	0
103	7987.00	92.37	5.64	31.00	7521.90	765.59	765.28	22.96	765.62	1.72	5.05	SlimPulse	0

Survey List													
Seq	MŮ (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
104	8082.00	90.45	5.07	95.00	7519.57	860.30	859.83	31.82	860.42	2.12	2.11	SlimPulse	0
105	8177.00	88.97	3.77	95.00	7520.05	955.14	954.54	39.14	955.34	2.35	2.07	SlimPulse	0
106	8272.00	88.73	3.90	95.00	7521.96	1050.02	1049.31	45.49	1050.30	2.48	0.29	SlimPulse	0
107	8366.00	88.56	3.06	94.00	7524.19	1143.92	1143.11	51.18	1144.26	2.56	0.91	SlimPulse	0
108	8461.00	88.45	3.89	95.00	7526.67	1238.81	1237.90	56.94	1239.21	2.63	0.89	SlimPulse	0
109	8556.00	88.69	4.14	95.00	7529.04	1333.66	1332.64	63.59	1334.16	2.73	0.37	SlimPulse	0
110	8651.00	88.80	3.34	95.00	7531.12	1428.54	1427.41	69.79	1429.12	2.80	0.86	SlimPulse	0
111	8746.00	88.59	3.28	95.00	7533.28	1523.45	1522.23	75.27	1524.09	2.83	0.22	SlimPulse	0
112	8841.00	88.56	2.75	95.00	7535.65	1618.37	1617.07	80.26	1619.06	2.84	0.56	SlimPulse	0
113	8935.00	87.97	1.99	94.00	7538.50	1712.30	1710.94	84.16	1713.01	2.82	1.02	SlimPulse	0
114	9030.00	87.66	1.44	95.00	7542.11	1807.23	1805.83	87.00	1807.93	2.76	0.66	SlimPulse	0
115	9121.00	89.31	0.34	91.00	7544.52	1898.19	1896.79	88.41	1898.84	2.67	2.18	SlimPulse	0
116	9215.00	92.65	359.69	94.00	7542.91	1992.15	1990.76	88.43	1992.72	2.54	3.62	SlimPulse	0
117	9310.00	92.17	359.09	95.00	7538.91	2087.02	2085.67	87.42	2087.50	2.40	0.81	SlimPulse	0
118	9405.00	91.89	358.13	95.00	7535.55	2181.86	2180.58	85.11	2182.24	2.24	1.05	SlimPulse	0
119	9499.00	92.31	357.48	94.00	7532.10	2275.63	2274.45	81.51	2275.91	2.05	0.81	SlimPulse	0
120	9593.00	92.62	357.55	94.00	7528.07	2369.36	2368.27	77.44	2369.54	1.87	0.34	SlimPulse	0
121	9688.00	91.79	357.64	95.00	7524.42	2464.10	2463.12	73.46	2464.21	1.71	0.87	SlimPulse	0
122	9782.00	91.45	357.88	94.00	7521.76	2557.90	2557.01	69.78	2557.96	1.56	0.45	SlimPulse	0
123	9877.00	94.30	357.95	95.00	7517.00	2652.62	2651.81	66.33	2652.64	1.43	3.01	SlimPulse	0
124	9972.00	96.00	358.04	95.00	7508.47	2747.08	2746.37	63.02	2747.09	1.31	1.79	SlimPulse	0
125	10067.00	94.17	357.84	95.00	7500.05	2841.56	2840.93	59.62	2841.56	1.20	1.94	SlimPulse	0
126	10161.00	92.99	358.15	94.00	7494.18	2935.23	2934.69	56.34	2935.23	1.10	1.29	SlimPulse	0
127	10256.00	91.27	359.14	95.00	7490.64	3030.06	3029.59	54.09	3030.07	1.02	2.09	SlimPulse	0
128	10351.00	89.52	0.56	95.00	7489.99	3125.03	3124.58	53.84	3125.05	0.99	2.38	SlimPulse	0
129	10445.00	89.90	1.60	94.00	7490.47	3219.03	3218.56	55.61	3219.04	0.99	1.18	SlimPulse	0
130	10540.00	94.48	2.67	95.00	7486.84	3313.92	3313.40	59.14	3313.93	1.02	4.95	SlimPulse	0
131	10635.00	90.17	2.07	95.00	7482.99	3408.80	3408.22	63.07	3408.80	1.06	4.58	SlimPulse	0
132	10729.00	86.49	0.94	94.00	7485.73	3502.74	3502.13	65.54	3502.74	1.07	4.10	SlimPulse	0
133	10824.00	89.76	0.93	95.00	7488.84	3597.67	3597.05	67.09	3597.68	1.07	3.44	SlimPulse	0
134	10919.00	91.34	0.46	95.00	7487.92	3692.66	3692.04	68.24	3692.67	1.06	1.74	SlimPulse	0
135	11013.00	87.21	359.28	94.00	7489.11	3786.61	3786.01	68.03	3786.62	1.03	4.57	SlimPulse	0
136	11108.00	88.07	359.43	95.00	7493.02	3881.48	3880.92	66.96	3881.50	0.99	0.92	SlimPulse	0
137	11202.00	87.69	359.88	94.00	7496.49	3975.38	3974.85	66.39	3975.41	0.96	0.63	SlimPulse	0
138	11297.00	89.14	0.36	95.00	7499.11	4070.33	4069.81	66.60	4070.36	0.94	1.60	SlimPulse	0
139	11391.00	89.35	0.65	94.00	7500.36	4164.31	4163.80	67.42	4164.35	0.93	0.37	SlimPulse	0
140	11486.00	90.10	0.85	95.00	7500.81	4259.31	4258.79	68.66	4259.35	0.92	0.83	SlimPulse	0
141	11580.00	90.58	1.06	94.00	7500.25	4353.30	4352.78	70.24	4353.34	0.92	0.56	SlimPulse	0
142	11674.00	90.34	1.65	94.00	7499.49	4447.30	4446.75	72.46	4447.34	0.93	0.68	SlimPulse	0
143	11768.00	90.17	1.35	94.00	7499.06	4541.30	4540.71	74.93	4541.33	0.95	0.37	SlimPulse	0
144	11790.00	90.17	1.54	22.00	7499.00	4563.30	4562.71	75.49	4563.33	0.95	0.87	SlimPulse	0
145	11861.00	90.17	1.54	71.00	7498.78	4634.30	4633.68	77.40	4634.33	0.96	0.01	PROJ	0