

Reservoir Development

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



May 28, 2014

Cimarex
600 N MARIENFELD STREET SUITE 600

MIDLAND, TX 79701

Re:

Sec 32, T25S, R27E Eddy NM
N 32.07993 W 104.20489

CLIENT: Cimarex Energy Co.
WELL: Cottonwood Hills 32 State Com 005
FIELD: Bone Spring
RIG: Cactus 116
COUNTY: Eddy
API NO: 30-015-41628
JOB NO: 14MLD0500

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>
De'Jon Douglas MWD	Cottonwood Hills 32 State Com-005 Original Hole	6846.00 Ft to 11793.00 Ft	May 22, 2014 to May 28, 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:

Sec 32, T25S, R27E Eddy NM
N 32.07993 W 104.20489

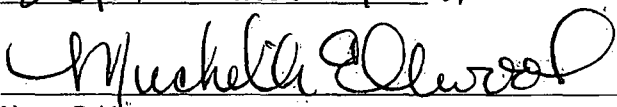
I, De'Jon Douglas certify that; I am employed by PathFinder, a division of Schlumberger Technology Corporation; that I did on the day(s) of May 22, 2014 through May 28, 2014, conduct or supervise the taking of the SlimPulse surveys from a depth of 6846.00 feet to a depth of 11793.00 feet referenced to 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 005 Well (Original Hole) API No. 30-015-41628 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
De'Jon Douglas
MWD

Subscribed and Sworn to before me this 10th day of June (month) 2014 (yr)

My Commission expires:

September 5, 2016



Notary Public

midland, TX
(County State)



(signature)

SCHLUMBERGER
Survey Report

7-Jul-2014

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

Well.....: Cottonwood Hills 32 State Corn 5H
API number.....: 30-015-41628
Engineer.....: D. Douglas
County.....: Eddy
State.....: New Mexico
Rig.....: Cactus 116

Spud date.....: 15-May-14
Last survey date.....: 28-May-14
Total accepted surveys...: 75
MD of first survey.....: 6846.00 ft
MD of last survey.....: 11793.00 ft

Latitude.....: 32° 4' 47.73" N
Longitude.....: 104° 12' 17.61" 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.....: 3159.00
KB above permanent.....: 3177.00
OF above permanent.....: 3177.00

----- 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.....: 581118.30 ft
Y.....: 392837.60 ft

Azimuth from Vsect Origin to target: 357.10 degrees

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

-----Run1----- Calculation Date: 23-May-2014
Location G.....: 998.94325 mgn Tolerance G.....: 2.50 mgn
Location B.....: 48136 nT Tolerance B.....: 300.00 nT
Magnetic Dip: 59.8508 degrees Tolerance Dip: 0.45 degrees

BGGM Model: 2013

-----Run1-----
Magnetic dec (+E/-W).....: 7.625 degrees
Grid Conv (+E/-W).....: 0.065 degrees
Total Azim Corr (+E/-W).....: 7.56 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	141.00	0.88	254.84	141.00	140.99	-0.23	-0.28	-1.05	1.08	254.84	0.62	Other	0
3	178.00	1.10	254.97	37.00	177.99	-0.36	-0.45	-1.66	1.72	254.87	0.59	Other	0
4	209.00	1.01	258.75	31.00	208.98	-0.47	-0.58	-2.22	2.29	255.34	0.37	Other	0
5	267.00	1.10	273.56	58.00	266.97	-0.48	-0.65	-3.27	3.34	258.85	0.49	Other	0
6	298.00	1.49	283.76	31.00	297.97	-0.33	-0.53	-3.96	4	262.37	1.46	Other	0
7	325.00	1.49	287.45	27.00	324.96	-0.11	-0.34	-4.64	4.65	265.78	0.36	Other	0
8	384.00	1.49	298.74	59.00	383.94	0.56	0.26	-6.04	6.05	272.43	0.50	Other	0
9	461.00	1.10	113.95	77.00	460.93	0.75	0.44	-6.25	6.26	274.01	3.36	Other	0
10	511.00	1.32	176.57	50.00	510.92	-0.04	-0.33	-5.77	5.78	266.71	2.54	Other	0
11	573.00	1.41	303.05	62.00	572.91	-0.31	-0.63	-6.37	6.4	264.36	3.93	Other	0
12	631.00	1.19	312.67	58.00	630.90	0.54	0.17	-7.41	7.41	271.31	0.53	Other	0
13	693.00	1.19	297.16	62.00	692.88	1.33	0.90	-8.46	8.5	276.07	0.52	Other	0
14	754.00	1.01	313.16	61.00	753.87	2.03	1.56	-9.41	9.54	279.39	0.58	Other	0
15	843.00	1.10	306.48	89.00	842.86	3.14	2.60	-10.67	10.98	283.70	0.17	Other	0
16	935.00	1.19	305.77	92.00	934.84	4.29	3.68	-12.16	12.7	286.86	0.10	Other	0
17	1026.00	1.41	313.55	91.00	1025.82	5.70	5.01	-13.73	14.62	290.03	0.31	Other	0
18	1118.00	1.32	302.56	92.00	1117.79	7.13	6.36	-15.45	16.71	292.37	0.30	Other	0
19	1208.00	1.41	314.34	90.00	1207.77	8.55	7.69	-17.11	18.76	294.20	0.33	Other	0
20	1300.00	1.19	312.67	92.00	1299.74	10.06	9.13	-18.63	20.74	296.11	0.24	Other	0
21	1394.00	0.79	320.67	94.00	1393.73	11.28	10.29	-19.75	22.27	297.52	0.45	Other	0
22	1489.00	1.10	344.36	95.00	1488.71	12.69	11.68	-20.42	23.52	299.77	0.52	Other	0

23	1584.00	1.01	7.08	95.00	1583.70	14.41	13.38	-20.56	24.53	303.07	0.45	Other	0
24	1678.00	1.58	38.98	94.00	1677.68	16.19	15.21	-19.64	24.84	307.76	0.96	Other	0
25	1771.00	1.89	48.65	93.00	1770.63	18.10	17.22	-17.68	24.69	314.25	0.46	Other	0
26	1838.00	2.29	56.65	67.00	1837.59	19.46	18.69	-15.74	24.43	319.91	0.74	Other	0
27	1869.00	2.42	65.04	31.00	1868.56	20.02	19.31	-14.62	24.22	322.86	1.19	Other	0
28	1965.00	1.10	79.76	96.00	1964.52	20.90	20.33	-11.88	23.54	329.69	1.44	Other	0
29	2046.00	1.32	75.85	81.00	2045.50	21.18	20.69	-10.21	23.07	333.74	0.29	Other	0
30	2138.00	0.48	162.77	92.00	2137.49	21.02	20.58	-9.07	22.49	336.22	1.50	Other	0
31	2232.00	0.70	193.84	94.00	2231.48	20.08	19.65	-9.09	21.65	335.18	0.40	Other	0
32	2327.00	0.62	197.05	95.00	2326.48	19.05	18.59	-9.38	20.83	333.23	0.09	Other	0
33	2422.00	0.62	202.46	95.00	2421.47	18.10	17.63	-9.73	20.13	331.11	0.06	Other	0
34	2516.00	0.70	202.55	94.00	2515.47	17.12	16.63	-10.14	19.48	328.62	0.09	Other	0
35	2610.00	0.88	194.15	94.00	2609.46	15.91	15.40	-10.54	18.66	325.62	0.23	Other	0
36	2706.00	1.01	195.16	96.00	2705.44	14.40	13.87	-10.94	17.66	321.73	0.14	Other	0
37	2800.00	1.10	190.46	94.00	2799.43	12.74	12.18	-11.32	16.63	317.10	0.13	Other	0
38	2894.00	1.10	194.24	94.00	2893.41	11.00	10.42	-11.70	15.67	311.67	0.08	Other	0
39	2989.00	1.10	197.05	95.00	2988.39	9.27	8.66	-12.20	14.96	305.38	0.06	Other	0
40	3082.00	1.10	199.78	93.00	3081.38	7.61	6.97	-12.76	14.54	298.64	0.06	Other	0
41	3176.00	1.19	200.57	94.00	3175.36	5.88	5.21	-13.41	14.38	291.22	0.10	Other	0
42	3273.00	1.19	201.36	97.00	3272.34	4.04	3.32	-14.13	14.52	283.24	0.02	Other	0
43	3368.00	1.32	200.66	95.00	3367.31	2.13	1.38	-14.87	14.94	275.31	0.14	Other	0
44	3461.00	1.58	203.16	93.00	3460.28	0.00	-0.80	-15.76	15.78	267.10	0.29	Other	0
45	3558.00	1.58	208.04	97.00	3557.25	-2.35	-3.21	-16.91	17.21	259.26	0.14	Other	0
46	3653.00	1.71	209.75	95.00	3652.21	-4.67	-5.60	-18.23	19.07	252.94	0.15	Other	0
47	3747.00	1.71	208.26	94.00	3746.16	-7.05	-8.05	-19.59	21.18	247.66	0.05	Other	0
48	3841.00	1.80	205.27	94.00	3840.12	-9.55	-10.62	-20.88	23.43	243.05	0.14	Other	0
49	3935.00	1.80	205.84	94.00	3934.07	-12.14	-13.28	-22.16	25.83	239.06	0.02	Other	0
50	4030.00	1.71	205.36	95.00	4029.03	-14.70	-15.91	-23.42	28.31	235.81	0.10	Other	0
51	4124.00	0.88	189.45	94.00	4123.01	-16.64	-17.89	-24.13	30.04	233.46	0.95	Other	0
52	4219.00	0.70	188.04	95.00	4218.00	-17.92	-19.18	-24.34	30.99	231.76	0.19	Other	0
53	4316.00	0.48	333.85	97.00	4314.99	-18.13	-19.40	-24.60	31.33	231.73	1.16	Other	0
54	4410.00	1.19	359.56	94.00	4408.98	-16.80	-18.07	-24.78	30.67	233.89	0.84	Other	0
55	4504.00	1.41	4.18	94.00	4502.96	-14.67	-15.94	-24.70	29.4	237.16	0.26	Other	0
56	4596.00	1.32	1.28	92.00	4594.93	-12.49	-13.75	-24.60	28.18	240.78	0.12	Other	0
57	4692.00	1.19	1.76	96.00	4690.91	-10.40	-11.65	-24.54	27.17	244.60	0.14	Other	0
58	4788.00	1.10	359.65	96.00	4786.89	-8.48	-9.74	-24.52	26.38	248.34	0.10	Other	0
59	4883.00	1.01	0.44	95.00	4881.88	-6.74	-7.99	-24.51	25.78	251.96	0.10	Other	0
60	4977.00	1.01	4.88	94.00	4975.86	-5.09	-6.33	-24.44	25.24	255.47	0.08	Other	0
61	5073.00	0.88	2.86	96.00	5071.85	-3.52	-4.75	-24.33	24.79	258.95	0.14	Other	0
62	5168.00	0.88	356.44	95.00	5166.84	-2.06	-3.30	-24.34	24.56	262.29	0.10	Other	0
63	5261.00	0.88	355.96	93.00	5259.83	-0.63	-1.87	-24.43	24.5	265.62	0.01	Other	0
64	5356.00	0.62	358.86	95.00	5354.82	0.61	-0.63	-24.49	24.5	268.53	0.28	Other	0
65	5451.00	0.48	349.37	95.00	5449.81	1.52	0.28	-24.58	24.58	270.64	0.18	Other	0
66	5546.00	0.40	345.85	95.00	5544.81	2.24	0.99	-24.73	24.75	272.29	0.09	Other	0
67	5640.00	0.48	329.55	94.00	5638.81	2.91	1.65	-25.01	25.07	273.77	0.16	Other	0
68	5734.00	0.79	297.95	94.00	5732.80	3.59	2.29	-25.78	25.89	275.07	0.49	Other	0
69	5828.00	0.88	281.34	94.00	5826.79	4.10	2.73	-27.06	27.2	275.77	0.27	Other	0
70	5925.00	0.22	330.34	97.00	5923.79	4.45	3.04	-27.89	28.05	276.23	0.78	Other	0
71	6019.00	0.40	338.16	94.00	6017.79	4.92	3.50	-28.10	28.32	277.11	0.20	Other	0
72	6114.00	0.09	7.96	95.00	6112.78	5.31	3.89	-28.21	28.48	277.84	0.34	Other	0
73	6210.00	0.31	197.36	96.00	6208.78	5.14	3.71	-28.28	28.52	277.48	0.42	Other	0
74	6304.00	1.19	201.36	94.00	6302.78	4.01	2.56	-28.71	28.82	275.10	0.94	Other	0
75	6398.00	1.71	192.88	94.00	6396.74	1.77	0.28	-29.38	29.38	270.56	0.60	Other	0
76	6492.00	2.42	187.16	94.00	6490.68	-1.53	-3.05	-29.94	30.09	264.18	0.79	Other	0
77	6589.00	1.71	155.17	97.00	6587.62	-4.89	-6.40	-29.59	30.27	257.80	1.37	Other	0
78	6683.00	2.02	156.75	94.00	6681.57	-7.75	-9.19	-28.34	29.8	252.03	0.33	Other	0
79	6784.00	1.71	158.25	101.00	6782.52	-10.84	-12.23	-27.08	29.71	245.70	0.31	Other	0
80	6846.00	1.20	123.79	62.00	6844.50	-12.10	-13.45	-26.20	29.45	242.83	1.60	SlimPulse	0
81	6877.00	4.20	44.57	31.00	6875.47	-11.53	-12.82	-25.13	28.21	242.98	13.38	SlimPulse	0
82	6909.00	8.43	31.61	32.00	6907.27	-8.80	-9.98	-23.08	25.15	246.61	13.86	SlimPulse	0
83	6940.00	12.05	25.02	31.00	6937.77	-4.07	-5.11	-20.52	21.15	256.01	12.25	SlimPulse	0
84	6971.00	15.03	20.00	31.00	6967.91	2.49	1.60	-17.78	17.85	275.13	10.34	SlimPulse	0
85	7003.00	17.99	15.85	32.00	6998.59	11.00	10.25	-15.01	18.17	304.34	9.95	SlimPulse	0
86	7034.00	21.05	13.84	31.00	7027.80	20.86	20.26	-12.37	23.74	328.60	10.09	SlimPulse	0
87	7065.00	24.59	10.91	31.00	7056.37	32.46	32.01	-9.82	33.48	342.95	12.00	SlimPulse	0
88	7097.00	27.97	5.69	32.00	7085.06	46.36	46.02	-7.81	46.68	350.37	12.79	SlimPulse	0
89	7128.00	30.37	1.53	31.00	7112.13	61.36	61.09	-6.88	61.48	353.57	10.12	SlimPulse	0
90	7158.00	32.09	358.22	30.00	7137.79	76.89	76.64	-6.93	76.95	354.83	8.10	SlimPulse	0
91	7191.00	35.68	357.15	33.00	7165.18	95.28	95.02	-7.68	95.33	355.38	11.03	SlimPulse	0
92	7223.00	38.04	355.73	32.00	7190.78	114.48	114.17	-8.88	114.52	355.55	7.84	SlimPulse	0
93	7252.00	40.04	353.76	29.00	7213.30	132.72	132.36	-10.56	132.78	355.44	8.11	SlimPulse	0
94	7285.00	40.49	352.12	33.00	7238.49	153.99	153.52	-13.18	154.09	355.09	3.49	SlimPulse	0
95	7317.00	42.73	352.84	32.00	7262.41	175.17	174.59	-15.96	175.32	354.78	7.17	SlimPulse	0
96	7346.00	45.25	354.15	29.00	7283.27	195.27	194.60	-18.24	195.45	354.65	9.23	SlimPulse	0
97	7379.00	48.12	354.73	33.00	7305.91	219.25	218.49	-20.56	219.46	354.62	8.77	SlimPulse	0
98	7411.00	49.88	352.87	32.00	7326.90	243.36	242.50	-23.17	243.6	354.54	7.05	SlimPulse	0
99	7440.00	51.97	352.25	29.00	7345.18	265.80	264.82	-26.09	266.1	354.37	7.38	SlimPulse	0
100	7474.00	55.04	353.36	34.00	7365.40	293.05	291.94	-29.51	293.42	354.23	9.39	SlimPulse	0
101	7506.00	57.13	354.44	32.00	7383.26	319.57	318.34	-32.33	319.98	354.20	7.11	SlimPulse	0
102	7535.00	59.56	355.48	29.00	7398.48	344.23	342.93	-34.49	344.66	354.26	8.93	SlimPulse	0
103	7569.00	62.43	356.14	34.00	7414.96	373.96	372.58	-36.66	374.38	354.38	8.60	SlimPulse	0
104	7600.00	65.27	357.52	31.00	7428.62	401.78	400.36	-38.20	402.18	354.55	9.99	SlimPulse	0
105	7630.00	67.93	358.45	30.00	7440.54	429.31	427.87	-39.16	429.66	354.77	9.32	SlimPulse	0

106	7664.00	69.26	0.09	34.00	7452.95	460.94	459.52	-39.56	461.22	355.08	5.96	SlimPulse	0
107	7695.00	71.47	1.38	31.00	7463.30	490.09	488.74	-39.19	490.31	355.42	8.80	SlimPulse	0
108	7725.00	74.70	1.91	30.00	7472.03	518.70	517.42	-38.36	518.84	355.76	9.38	SlimPulse	0
109	7758.00	78.27	2.82	33.00	7479.80	550.63	549.46	-37.03	550.71	356.14	11.80	SlimPulse	0
110	7790.00	81.75	2.37	32.00	7485.35	582.00	580.94	-35.61	582.03	356.49	10.98	SlimPulse	0
111	7819.00	84.77	2.08	29.00	7488.76	610.68	609.71	-34.49	610.69	356.76	10.44	SlimPulse	0
112	7853.00	88.31	1.64	34.00	7490.81	644.49	643.63	-33.39	644.49	357.03	10.52	SlimPulse	0
113	7916.00	89.69	358.32	63.00	7491.91	707.39	706.61	-33.41	707.4	357.29	5.71	SlimPulse	0
114	8011.00	88.80	355.39	95.00	7493.16	802.37	801.45	-38.62	802.38	357.24	3.22	SlimPulse	0
115	8105.00	90.14	355.48	94.00	7494.04	896.33	895.14	-46.10	896.33	357.05	1.43	SlimPulse	0
116	8199.00	90.96	354.92	94.00	7493.13	990.27	988.81	-53.97	990.28	356.88	1.06	SlimPulse	0
117	8294.00	91.34	356.06	95.00	7491.22	1085.21	1083.49	-61.44	1085.23	356.75	1.25	SlimPulse	0
118	8388.00	91.20	355.58	94.00	7489.14	1179.16	1177.22	-68.29	1179.2	356.68	0.53	SlimPulse	0
119	8483.00	91.38	356.14	95.00	7487.00	1274.12	1271.94	-75.15	1274.16	356.62	0.62	SlimPulse	0
120	8577.00	91.55	356.69	94.00	7484.60	1368.08	1365.73	-81.03	1368.13	356.60	0.61	SlimPulse	0
121	8672.00	90.69	355.93	95.00	7482.75	1463.05	1460.51	-87.15	1463.11	356.59	1.21	SlimPulse	0
122	8766.00	90.58	358.04	94.00	7481.70	1557.04	1554.37	-92.10	1557.1	356.61	2.25	SlimPulse	0
123	8861.00	89.69	357.95	95.00	7481.47	1652.03	1649.31	-95.42	1652.07	356.69	0.95	SlimPulse	0
124	8956.00	90.31	357.07	95.00	7481.47	1747.02	1744.22	-99.54	1747.06	356.73	1.14	SlimPulse	0
125	9050.00	90.34	357.76	94.00	7480.94	1841.02	1838.12	-103.78	1841.05	356.77	0.74	SlimPulse	0
126	9144.00	90.14	358.40	94.00	7480.54	1935.00	1932.07	-106.93	1935.03	356.83	0.71	SlimPulse	0
127	9239.00	89.72	357.33	95.00	7480.66	2029.99	2027.00	-110.47	2030.01	356.88	1.21	SlimPulse	0
128	9333.00	89.35	358.85	94.00	7481.42	2123.97	2120.94	-113.60	2123.98	356.93	1.66	SlimPulse	0
129	9428.00	89.90	356.84	95.00	7482.04	2218.96	2215.87	-117.17	2218.96	356.97	2.19	SlimPulse	0
130	9522.00	90.03	357.12	94.00	7482.10	2312.96	2309.74	-122.12	2312.96	356.97	0.33	SlimPulse	0
131	9617.00	89.28	354.60	95.00	7482.67	2407.93	2404.48	-128.99	2407.94	356.93	2.77	SlimPulse	0
132	9711.00	89.90	357.94	94.00	7483.35	2501.90	2498.26	-135.10	2501.91	356.90	3.62	SlimPulse	0
133	9806.00	89.79	357.73	95.00	7483.61	2596.89	2593.20	-138.69	2596.9	356.94	0.25	SlimPulse	0
134	9900.00	90.21	357.33	94.00	7483.61	2690.89	2687.11	-142.75	2690.9	356.96	0.60	SlimPulse	0
135	9994.00	90.07	358.52	94.00	7483.38	2784.88	2781.04	-146.14	2784.88	356.99	1.28	SlimPulse	0
136	10089.00	90.34	358.63	95.00	7483.04	2879.84	2876.01	-148.50	2879.85	357.04	0.31	SlimPulse	0
137	10183.00	90.10	355.72	94.00	7482.67	2973.83	2969.89	-153.14	2973.83	357.05	3.11	SlimPulse	0
138	10279.00	91.20	357.64	96.00	7481.58	3069.82	3065.72	-158.70	3069.82	357.04	2.30	SlimPulse	0
139	10374.00	90.65	355.32	95.00	7480.04	3164.79	3160.52	-164.54	3164.8	357.02	2.51	SlimPulse	0
140	10468.00	90.41	356.81	94.00	7479.16	3258.77	3254.29	-171.00	3258.78	356.99	1.61	SlimPulse	0
141	10563.00	90.14	357.35	95.00	7478.70	3353.77	3349.16	-175.83	3353.78	356.99	0.64	SlimPulse	0
142	10658.00	90.72	357.20	95.00	7477.99	3448.77	3444.05	-180.34	3448.77	357.00	0.64	SlimPulse	0
143	10753.00	89.97	355.61	95.00	7477.42	3543.75	3538.86	-186.30	3543.76	356.99	1.86	SlimPulse	0
144	10847.00	90.41	356.98	94.00	7477.11	3637.74	3632.66	-192.38	3637.75	356.97	1.53	SlimPulse	0
145	10942.00	90.52	358.41	95.00	7476.34	3732.73	3727.58	-196.20	3732.74	356.99	1.52	SlimPulse	0
146	11036.00	89.24	355.93	94.00	7476.54	3826.72	3821.45	-200.84	3826.73	356.99	2.97	SlimPulse	0
147	11131.00	89.35	356.53	95.00	7477.71	3921.70	3916.24	-207.09	3921.71	356.97	0.65	SlimPulse	0
148	11225.00	89.76	357.36	94.00	7478.44	4015.70	4010.10	-212.10	4015.71	356.97	0.99	SlimPulse	0
149	11320.00	89.55	358.06	95.00	7479.01	4110.69	4104.94	-217.55	4110.7	356.97	1.39	SlimPulse	0
150	11415.00	89.79	358.91	95.00	7479.55	4205.68	4199.84	-221.72	4205.69	356.98	3.01	SlimPulse	0
151	11509.00	89.66	355.79	94.00	7480.00	4299.67	4293.73	-226.07	4299.67	356.99	3.32	SlimPulse	0
152	11604.00	89.72	358.85	95.00	7480.52	4394.65	4388.53	-232.16	4394.66	356.97	1.12	SlimPulse	0
153	11699.00	89.79	355.83	95.00	7480.92	4489.64	4483.33	-238.22	4489.66	356.96	1.08	SlimPulse	0
154	11793.00	90.41	359.37	94.00	7480.75	4583.62	4577.23	-242.16	4583.64	356.97	3.82	SlimPulse	0
155	11855.00	90.41	359.37	62.00	7480.30	4645.57	4639.23	-242.84	4645.58	357.00	0.01	PROJ	7