

Reservoir Development

Drilling & Measurements (Anadrill)

4301 SW 44th St

Oklahoma City, Oklahoma 73119 USA

Phone: (405) 682-2284

Fax: (405) 682-3937

30-015-38557

June 7, 2011

Devon Energy

20 North Broadway

Oklahoma City, OK, 73102-8260



Well Reference:

Sec 35 T24S R31E

N 32.181 W 103.742

Re:

CLIENT: Devon Energy

WELL: Cotton Draw Unit 156H

FIELD: Paduca

RIG: H&P 223

COUNTY: Eddy New Mexico

API NO: 30-015-38557

JOB NO: 11SWB0135

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>
Hamish Snell FE	Cotton Draw Unit 156H Original Hole	7568.00 Ft to 12678.00 Ft	April 26, 2011 to May 17, 2011	SlimPulse

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

Chad McMillan

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:

Sec 24 TS26S R28E NMP

N 32.03343 W 104.034903

I, Hamish Snell 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 26, 2011 through May 17, 2011, conduct or supervise the taking of the SlimPulse surveys from a depth of 7568.00 feet to a depth of 12678.00 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 Devon Energy for the Cotton Draw Unit 156H Well (Original Hole) API No. 30-015-38557 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

Hamish Snell (signature)

FE



SCHLUMBERGER

Survey Report

17-May-11

Client.....: Devon Energy

Field.....: Paduca

Well.....: Cotton Draw Unit 156H

API number.....: 30-015-38557

Engineer.....: T Johnson

Spud date.....: 15-Apr-11

Last survey date.....: 16-May-11

Total accepted surveys...: 83

MD of first survey.....: 7568.00 ft

MD of last survey.....: 12678.00 ft

COUNTY.....: Eddy

STATE.....: New Mexico

RIG.....: H&P 223

Latitude: 32° 10' 50.010" N

Longitude: 103° 44' 31.860" W

----- Survey calculation methods-----

Method for positions.....: Minimum curvature

Method for DLS.....: Lubinski

----- Depth reference -----

Permanent datum.....: Mean Sea Level

Depth reference.....: Driller's Depth

GL above permanent.....: 3487.7 ft

KB above permanent.....: Top Drive

DF above permanent.....: 3517.7 ft

----- Vertical section origin-----

Latitude (+N/S-).....: 0.00 ft

Departure (+E/W-).....: 0.00 ft

----- Grid Coordinates -----

NAD 27 Texas State Planes, Central Zone, US Feet

X.....: 724228.34 ft

Y.....: 429924.33 ft

Azimuth from Vsect Origin to target: 179.84 degrees

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

-----Run1----- Calculation Date: 26-Apr-2011

Location G	: 998.82 mgn	Tolerance G	: 2.50 mgn
Location B	: 48615.93 nT	Tolerance B	: 300.00 nT
Magnetic Dip	: 60.12 degress	Tolerance Dip	: 0.45 degress

-----Run2----- Calculation Date: 28-Apr-2011

Location G	: 998.82 mgn	Tolerance G	: 2.50 mgn
Location B	: 48615.33 nT	Tolerance B	: 300.00 nT
Magnetic Dip	: 60.12 degress	Tolerance Dip	: 0.45 degress

-----Run3----- Calculation Date: 29-Apr-2011

Location G	: 998.82 mgn	Tolerance G	: 2.50 mgn
Location B	: 48615.03 nT	Tolerance B	: 300.00 nT
Magnetic Dip	: 60.12 degress	Tolerance Dip	: 0.45 degress

-----Run6----- Calculation Date: 06-May-2011

Location G	: 998.82 mgn	Tolerance G	: 2.50 mgn
Location B	: 48612.92 nT	Tolerance B	: 300.00 nT
Magnetic Dip	: 60.12 degress	Tolerance Dip	: 0.45 degress

-----Run7----- Calculation Date: 10-May-2011

Location G	: 998.82 mgn	Tolerance G	: 2.50 mgn
Location B (Override):	48643.90 nT	Tolerance B	: 300.00 nT
Magnetic Dip (Override):	60.15 degress	Tolerance Dip	: 0.45 degress

-----Run8----- Calculation Date: 12-May-2011

Location G : 998.82 mgn Tolerance G : 2.50 mgn
 Location B (Override): 48643.90 nT Tolerance B : 300.00 nT
 Magnetic Dip (Override): 60.15 degress Tolerance Dip : 0.45 degress

-----Run9----- Calculation Date: 14-May-2011

Location G : 998.82 mgn Tolerance G : 2.50 mgn
 Location B (Override): 48643.90 nT Tolerance B : 300.00 nT
 Magnetic Dip (Override): 60.15 degress Tolerance Dip : 0.45 degress

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	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP 0
2	168.40	0.25	133.62	168.40	168.40	0.25	-0.25	0.27	0.37	133.62	0.15	GyroTool 0
3	262.90	0.68	131.81	94.50	262.90	0.77	-0.77	0.83	1.13	132.73	0.46	GyroTool 0
4	357.40	0.76	133.46	94.50	357.39	1.58	-1.57	1.71	2.32	132.70	0.09	GyroTool 0
5	451.90	0.85	144.27	94.50	451.88	2.58	-2.57	2.57	3.64	135.05	0.19	GyroTool 0
6	546.40	0.89	152.96	94.50	546.37	3.81	-3.80	3.31	5.04	138.89	0.15	GyroTool 0
7	640.90	0.84	156.58	94.50	640.86	5.10	-5.09	3.92	6.42	142.36	0.08	GyroTool 0
8	735.40	0.93	167.29	94.50	735.35	6.48	-6.47	4.37	7.81	145.99	0.20	GyroTool 0
9	829.90	1.07	157.61	94.50	829.83	8.05	-8.03	4.87	9.40	148.77	0.23	GyroTool 0
10	924.40	1.19	149.84	94.50	924.31	9.71	-9.70	5.70	11.25	149.56	0.21	GyroTool 0
11	1018.90	1.10	152.39	94.50	1018.79	11.37	-11.35	6.61	13.14	149.77	0.11	GyroTool 0
12	1113.40	1.02	153.12	94.50	1113.28	12.93	-12.90	7.41	14.88	150.12	0.09	GyroTool 0
13	1207.90	0.81	148.61	94.50	1207.77	14.25	-14.23	8.14	16.39	150.21	0.23	GyroTool 0
14	1302.40	0.52	128.67	94.50	1302.26	15.09	-15.06	8.83	17.46	149.64	0.39	GyroTool 0
15	1396.90	0.55	115.83	94.50	1396.76	15.56	-15.53	9.57	18.24	148.36	0.13	GyroTool 0

16	1491.40	0.58	102.61	94.50	1491.25	15.86	-15.83	10.44	18.97	146.59	0.14 GyroTool	0
17	1585.90	0.50	104.02	94.50	1585.75	16.07	-16.04	11.31	19.62	144.80	0.09 GyroTool	0
18	1680.40	0.47	67.52	94.50	1680.24	16.02	-15.99	12.07	20.03	142.95	0.32 GyroTool	0
19	1774.90	0.45	64.74	94.50	1774.74	15.72	-15.68	12.76	20.22	140.86	0.03 GyroTool	0
20	1869.40	0.42	88.65	94.50	1869.24	15.55	-15.51	13.44	20.53	139.09	0.19 GyroTool	0
21	1963.90	0.46	88.11	94.50	1963.74	15.53	-15.49	14.17	21.00	137.56	0.04 GyroTool	0
22	2058.40	0.54	98.92	94.50	2058.23	15.59	-15.55	14.99	21.60	136.05	0.13 GyroTool	0
23	2152.90	0.57	104.70	94.50	2152.73	15.78	-15.74	15.88	22.36	134.74	0.07 GyroTool	0
24	2247.40	0.44	123.88	94.50	2247.22	16.11	-16.06	16.64	23.13	133.99	0.22 GyroTool	0
25	2341.90	0.47	124.78	94.50	2341.72	16.53	-16.48	17.26	23.87	133.68	0.03 GyroTool	0
26	2436.40	0.46	151.32	94.50	2436.22	17.09	-17.04	17.76	24.61	133.81	0.23 GyroTool	0
27	2530.90	0.57	159.21	94.50	2530.71	17.86	-17.81	18.11	25.40	134.52	0.14 GyroTool	0
28	2625.40	0.64	162.24	94.50	2625.21	18.80	-18.75	18.44	26.30	135.49	0.08 GyroTool	0
29	2719.90	0.88	164.39	94.50	2719.70	20.01	-19.95	18.79	27.41	136.72	0.26 GyroTool	0
30	2814.40	0.87	167.97	94.50	2814.19	21.41	-21.35	19.14	28.67	138.13	0.06 GyroTool	0
31	2908.90	0.83	166.81	94.50	2908.68	22.78	-22.72	19.44	29.90	139.45	0.05 GyroTool	0
32	3003.40	0.80	158.69	94.50	3003.17	24.06	-24.00	19.84	31.14	140.43	0.13 GyroTool	0
33	3097.90	0.69	157.92	94.50	3097.66	25.20	-25.14	20.29	32.31	141.10	0.12 GyroTool	0
34	3192.40	1.42	103.41	94.50	3192.15	26.00	-25.94	21.64	33.79	140.16	1.23 GyroTool	0
35	3286.90	1.57	105.97	94.50	3286.61	26.64	-26.57	24.03	35.82	137.88	0.17 GyroTool	0
36	3381.40	1.36	107.90	94.50	3381.08	27.35	-27.27	26.34	37.92	136.00	0.23 GyroTool	0
37	3475.90	1.29	105.23	94.50	3475.56	27.98	-27.90	28.43	39.83	134.45	0.10 GyroTool	0
38	3570.40	1.25	105.84	94.50	3570.04	28.54	-28.46	30.45	41.68	133.06	0.04 GyroTool	0
39	3664.90	2.08	109.21	94.50	3664.49	29.39	-29.30	33.06	44.18	131.55	0.88 GyroTool	0
40	3759.40	2.46	109.57	94.50	3758.92	30.65	-30.55	36.59	47.67	129.85	0.40 GyroTool	0
41	3853.90	1.98	104.50	94.50	3853.35	31.75	-31.63	40.08	51.06	128.28	0.55 GyroTool	0
42	3948.40	2.76	123.07	94.50	3947.77	33.41	-33.28	43.57	54.83	127.38	1.15 GyroTool	0
43	4042.90	3.49	138.24	94.50	4042.13	36.80	-36.67	47.39	59.93	127.73	1.16 GyroTool	0
44	4137.40	3.51	139.80	94.50	4136.45	41.17	-41.03	51.18	65.59	128.72	0.10 GyroTool	0
45	4231.90	2.72	129.10	94.50	4230.81	44.80	-44.65	54.78	70.68	129.18	1.03 GyroTool	0
46	4326.40	2.24	131.04	94.50	4325.23	47.44	-47.28	57.92	74.76	129.22	0.52 GyroTool	0
47	4420.90	1.55	134.96	94.50	4419.67	49.56	-49.39	60.21	77.88	129.36	0.74 GyroTool	0
48	4515.40	1.66	134.27	94.50	4514.14	51.42	-51.25	62.10	80.52	129.53	0.12 GyroTool	0
49	4609.90	1.60	134.13	94.50	4608.60	53.30	-53.13	64.03	83.20	129.68	0.06 GyroTool	0

50	4704.40	1.43	137.05	94.50	4703.06	55.09	-54.91	65.78	85.68	129.85	0.20 GyroTool	0
51	4798.90	1.38	138.32	94.50	4797.54	56.81	-56.62	67.34	87.98	130.06	0.06 GyroTool	0
52	4893.40	1.13	129.66	94.50	4892.01	58.26	-58.06	68.81	90.04	130.16	0.33 GyroTool	0
53	4987.90	0.97	131.58	94.50	4986.50	59.39	-59.19	70.13	91.77	130.17	0.17 GyroTool	0
54	5082.40	0.90	137.39	94.50	5080.98	60.47	-60.27	71.23	93.30	130.24	0.12 GyroTool	0
55	5173.30	0.84	137.51	90.90	5171.87	61.49	-61.28	72.16	94.67	130.34	0.07 GyroTool	0
56	5264.20	0.81	142.12	90.90	5262.77	62.49	-62.28	73.01	95.96	130.47	0.08 GyroTool	0
57	5355.10	0.74	144.64	90.90	5353.66	63.47	-63.27	73.74	97.16	130.63	0.09 GyroTool	0
58	5446.00	0.60	148.49	90.90	5444.55	64.36	-64.15	74.33	98.18	130.80	0.16 GyroTool	0
59	5536.90	0.69	156.59	90.90	5535.44	65.27	-65.06	74.79	99.13	131.02	0.14 GyroTool	0
60	5627.80	0.55	152.17	90.90	5626.34	66.16	-65.95	75.22	100.03	131.24	0.16 GyroTool	0
61	5718.70	0.49	170.67	90.90	5717.24	66.93	-66.72	75.48	100.74	131.47	0.20 GyroTool	0
62	5809.60	0.48	185.74	90.90	5808.13	67.69	-67.48	75.51	101.27	131.79	0.14 GyroTool	0
63	5900.50	0.48	187.92	90.90	5899.03	68.45	-68.24	75.42	101.70	132.14	0.02 GyroTool	0
64	5991.40	0.43	183.55	90.90	5989.93	69.16	-68.95	75.34	102.13	132.46	0.07 GyroTool	0
65	6083.10	0.50	192.50	91.70	6081.62	69.90	-69.69	75.23	102.55	132.81	0.11 GyroTool	0
66	6173.50	0.53	209.57	90.40	6172.02	70.65	-70.44	74.94	102.85	133.22	0.17 GyroTool	0
67	6268.00	0.57	215.86	94.50	6266.52	71.41	-71.20	74.45	103.02	133.72	0.08 GyroTool	0
68	6362.50	0.57	217.86	94.50	6361.01	72.16	-71.95	73.89	103.13	134.24	0.02 GyroTool	0
69	6457.00	0.52	205.51	94.50	6455.51	72.91	-72.71	73.42	103.33	134.72	0.13 GyroTool	0
70	6551.50	0.51	194.96	94.50	6550.00	73.71	-73.50	73.12	103.68	135.15	0.10 GyroTool	0
71	6646.00	0.61	199.54	94.50	6644.50	74.59	-74.38	72.85	104.11	135.60	0.12 GyroTool	0
72	6740.50	0.91	202.34	94.50	6738.99	75.75	-75.55	72.39	104.63	136.22	0.32 GyroTool	0
73	6835.00	1.04	205.66	94.50	6833.48	77.22	-77.02	71.74	105.25	137.03	0.15 GyroTool	0
74	6929.50	0.99	214.23	94.50	6927.96	78.66	-78.47	70.90	105.76	137.90	0.17 GyroTool	0
75	7024.00	0.96	231.90	94.50	7022.45	79.82	-79.63	69.82	105.91	138.75	0.32 GyroTool	0
76	7118.50	1.12	229.18	94.50	7116.93	80.91	-80.72	68.50	105.87	139.68	0.18 GyroTool	0
77	7213.00	1.15	211.66	94.50	7211.41	82.32	-82.13	67.30	106.19	140.67	0.37 GyroTool	0
78	7307.50	1.13	210.60	94.50	7305.90	83.93	-83.74	66.33	106.83	141.62	0.03 GyroTool	0
79	7402.00	1.06	209.18	94.50	7400.38	85.49	-85.31	65.43	107.51	142.51	0.08 GyroTool	0
80	7496.50	0.27	224.33	94.50	7494.87	86.41	-86.23	64.85	107.89	143.05	0.85 GyroTool	0
81	7568.00	3.36	158.80	71.50	7566.33	88.49	-88.31	65.49	109.94	143.44	4.56 SlimPulse	0
82	7600.00	6.45	161.91	32.00	7598.21	91.07	-90.89	66.39	112.55	143.85	9.68 SlimPulse	0
83	7631.00	8.21	162.30	31.00	7628.95	94.84	-94.65	67.60	116.32	144.47	5.67 SlimPulse	0

84	7663.00	10.62	156.91	32.00	7660.52	99.74	-99.54	69.45	121.38	145.10	8.01 SlimPulse	0
85	7694.00	11.54	156.06	31.00	7690.94	105.20	-105.00	71.83	127.22	145.62	3.01 SlimPulse	0
86	7726.00	11.16	155.46	32.00	7722.32	110.95	-110.74	74.42	133.42	146.10	1.23 SlimPulse	0
87	7749.00	10.39	153.77	23.00	7744.91	114.84	-114.63	76.26	137.68	146.37	3.60 SlimPulse	0
88	7781.00	12.17	159.16	32.00	7776.29	120.59	-120.37	78.73	143.84	146.81	6.45 SlimPulse	0
89	7812.00	15.37	166.22	31.00	7806.40	127.65	-127.42	80.88	150.92	147.60	11.65 SlimPulse	0
90	7844.00	18.58	167.32	32.00	7837.00	136.75	-136.52	83.01	159.77	148.70	10.06 SlimPulse	0
91	7878.00	22.33	169.30	34.00	7868.85	148.39	-148.15	85.40	171.00	150.04	11.23 SlimPulse	0
92	7910.00	25.80	171.95	32.00	7898.07	161.27	-161.03	87.50	183.26	151.48	11.35 SlimPulse	0
93	7941.00	28.45	170.47	31.00	7925.65	175.24	-174.99	89.67	196.63	152.87	8.83 SlimPulse	0
94	7973.00	31.95	171.15	32.00	7953.31	191.14	-190.88	92.24	212.00	154.21	10.97 SlimPulse	0
95	8004.00	34.86	171.73	31.00	7979.18	208.02	-207.75	94.77	228.35	155.48	9.44 SlimPulse	0
96	8036.00	37.48	173.15	32.00	8005.02	226.74	-226.47	97.25	246.47	156.76	8.60 SlimPulse	0
97	8068.00	39.98	175.09	32.00	8029.98	246.66	-246.38	99.29	265.64	158.05	8.68 SlimPulse	0
98	8099.00	42.35	176.59	31.00	8053.32	267.01	-266.73	100.76	285.13	159.30	8.30 SlimPulse	0
99	8131.00	45.28	176.79	32.00	8076.40	289.13	-288.85	102.04	306.34	160.54	9.17 SlimPulse	0
100	8162.00	48.24	176.85	31.00	8097.64	311.68	-311.39	103.29	328.08	161.65	9.52 SlimPulse	0
101	8193.00	52.05	177.25	31.00	8117.50	335.45	-335.15	104.52	351.07	162.68	12.35 SlimPulse	0
102	8225.00	54.49	178.03	32.00	8136.64	361.07	-360.78	105.57	375.91	163.69	7.86 SlimPulse	0
103	8257.00	56.85	177.80	32.00	8154.68	387.48	-387.18	106.53	401.57	164.62	7.41 SlimPulse	0
104	8288.00	59.39	178.22	31.00	8171.05	413.79	-413.49	107.45	427.22	165.43	8.26 SlimPulse	0
105	8320.00	62.11	178.11	32.00	8186.69	441.69	-441.39	108.34	454.49	166.21	8.52 SlimPulse	0
106	8351.00	64.94	179.31	31.00	8200.51	469.43	-469.13	108.96	481.62	166.92	9.76 SlimPulse	0
107	8383.00	67.83	180.02	32.00	8213.32	498.75	-498.45	109.14	510.25	167.65	9.24 SlimPulse	0
108	8414.00	70.07	180.68	31.00	8224.46	527.68	-527.38	108.96	538.51	168.33	7.51 SlimPulse	0
109	8446.00	72.97	180.47	32.00	8234.60	558.02	-557.72	108.65	568.21	168.98	9.08 SlimPulse	0
110	8477.00	75.41	180.83	31.00	8243.05	587.84	-587.54	108.32	597.44	169.55	7.95 SlimPulse	0
111	8509.00	77.48	180.76	32.00	8250.55	618.95	-618.65	107.89	627.98	170.11	6.49 SlimPulse	0
112	8540.00	80.85	180.42	31.00	8256.38	649.39	-649.09	107.57	657.94	170.59	10.91 SlimPulse	0
113	8575.00	83.32	180.24	35.00	8261.20	684.05	-683.75	107.37	692.13	171.08	7.07 SlimPulse	0
114	8606.00	84.14	179.78	31.00	8264.58	714.86	-714.57	107.37	722.59	171.45	3.05 SlimPulse	0
115	8638.00	82.62	180.62	32.00	8268.27	746.65	-746.35	107.26	754.02	171.82	5.42 SlimPulse	0
116	8669.00	84.66	181.03	31.00	8271.70	777.45	-777.16	106.81	784.46	172.17	6.70 SlimPulse	0
117	8701.00	86.56	181.36	32.00	8274.15	809.35	-809.05	106.15	815.99	172.53	6.03 SlimPulse	0

118	8732.00	88.18	181.10	31.00	8275.58	840.30	-840.01	105.48	846.61	172.84	5.28 SlimPulse	0
119	8764.00	89.79	181.77	32.00	8276.14	872.28	-872.00	104.68	878.26	173.15	5.47 SlimPulse	0
120	8796.00	91.24	181.66	32.00	8275.86	904.27	-903.98	103.72	909.91	173.45	4.53 SlimPulse	0
121	8890.00	89.21	182.61	94.00	8275.49	998.18	-997.91	100.22	1002.93	174.27	2.38 SlimPulse	0
122	8985.00	89.45	183.06	95.00	8276.60	1093.05	-1092.78	95.53	1096.95	175.00	0.54 SlimPulse	0
123	9079.00	90.38	183.53	94.00	8276.74	1186.88	-1186.63	90.13	1190.05	175.66	1.11 SlimPulse	0
124	9174.00	89.24	182.88	95.00	8277.05	1281.71	-1281.48	84.82	1284.28	176.21	1.37 SlimPulse	0
125	9269.00	89.59	182.69	95.00	8278.02	1376.58	-1376.36	80.20	1378.69	176.67	0.41 SlimPulse	0
126	9363.00	89.04	182.58	94.00	8279.15	1470.46	-1470.25	75.88	1472.21	177.05	0.60 SlimPulse	0
127	9458.00	89.62	182.69	95.00	8280.26	1565.34	-1565.15	71.51	1566.78	177.38	0.63 SlimPulse	0
128	9553.00	89.55	182.32	95.00	8280.94	1660.23	-1660.05	67.36	1661.42	177.68	0.40 SlimPulse	0
129	9647.00	88.25	181.79	94.00	8282.75	1754.14	-1753.97	63.98	1755.14	177.91	1.50 SlimPulse	0
130	9742.00	90.31	182.30	95.00	8283.95	1849.06	-1848.90	60.59	1849.89	178.12	2.24 SlimPulse	0
131	9837.00	92.44	180.43	95.00	8281.66	1943.99	-1943.83	58.33	1944.71	178.28	2.99 SlimPulse	0
132	9931.00	93.06	179.83	94.00	8277.15	2037.88	-2037.72	58.12	2038.55	178.37	0.92 SlimPulse	0
133	10026.00	93.34	179.14	95.00	8271.85	2132.73	-2132.57	58.97	2133.39	178.42	0.78 SlimPulse	0
134	10120.00	92.41	178.45	94.00	8267.14	2226.59	-2226.43	60.95	2227.27	178.43	1.23 SlimPulse	0
135	10215.00	90.03	175.60	95.00	8265.12	2321.44	-2321.27	65.88	2322.20	178.37	3.90 SlimPulse	0
136	10310.00	90.72	176.69	95.00	8264.49	2416.24	-2416.05	72.27	2417.13	178.29	1.35 SlimPulse	0
137	10404.00	90.89	180.33	94.00	8263.16	2510.19	-2509.99	74.71	2511.10	178.30	3.88 SlimPulse	0
138	10499.00	90.24	181.42	95.00	8262.22	2605.17	-2604.97	73.26	2606.00	178.39	1.34 SlimPulse	0
139	10593.00	89.83	181.01	94.00	8262.17	2699.14	-2698.95	71.26	2699.89	178.49	0.62 SlimPulse	0
140	10688.00	89.21	182.41	95.00	8262.97	2794.08	-2793.90	68.43	2794.74	178.60	1.60 SlimPulse	0
141	10783.00	88.90	182.89	95.00	8264.53	2888.95	-2888.79	64.04	2889.50	178.73	0.60 SlimPulse	0
142	10877.00	89.93	182.40	94.00	8265.49	2982.84	-2982.68	59.70	2983.28	178.85	1.22 SlimPulse	0
143	10972.00	88.80	183.70	95.00	8266.54	3077.68	-3077.54	54.65	3078.02	178.98	1.82 SlimPulse	0
144	11066.00	89.24	184.10	94.00	8268.15	3171.43	-3171.31	48.26	3171.67	179.13	0.64 SlimPulse	0
145	11161.00	89.69	183.56	95.00	8269.04	3266.19	-3266.09	41.91	3266.36	179.26	0.74 SlimPulse	0
146	11256.00	90.79	183.01	95.00	8268.64	3361.02	-3360.93	36.47	3361.13	179.38	1.30 SlimPulse	0
147	11350.00	90.07	182.36	94.00	8267.93	3454.90	-3454.82	32.08	3454.97	179.47	1.03 SlimPulse	0
148	11445.00	90.27	181.42	95.00	8267.65	3549.84	-3549.77	28.95	3549.89	179.53	1.01 SlimPulse	0
149	11540.00	91.62	181.62	95.00	8266.08	3644.78	-3644.72	26.43	3644.82	179.58	1.43 SlimPulse	0
150	11634.00	90.03	182.05	94.00	8264.73	3738.71	-3738.66	23.43	3738.73	179.64	1.74 SlimPulse	0
151	11729.00	90.76	182.99	95.00	8264.07	3833.60	-3833.56	19.26	3833.61	179.71	1.24 SlimPulse	0

152	11823.00	89.90	182.34	94.00	8263.53	3927.49	-3927.46	14.89	3927.49	179.78	1.14 SlimPulse	0
153	11918.00	90.34	182.44	95.00	8263.33	4022.39	-4022.38	10.92	4022.39	179.84	0.48 SlimPulse	0
154	12013.00	87.18	180.97	95.00	8265.39	4117.30	-4117.30	8.10	4117.31	179.89	3.67 SlimPulse	0
155	12106.00	88.11	174.62	93.00	8269.21	4210.12	-4210.10	11.67	4210.12	179.84	6.90 SlimPulse	0
156	12138.00	90.31	173.39	32.00	8269.66	4241.95	-4241.92	15.02	4241.95	179.80	7.88 SlimPulse	0
157	12169.00	92.75	173.53	31.00	8268.83	4272.74	-4272.71	18.55	4272.75	179.75	7.89 SlimPulse	0
158	12201.00	92.61	174.45	32.00	8267.33	4304.54	-4304.49	21.89	4304.55	179.71	2.89 SlimPulse	0
159	12295.00	92.48	177.38	94.00	8263.15	4398.22	-4398.15	28.59	4398.25	179.63	3.12 SlimPulse	0
160	12390.00	90.31	178.00	95.00	8260.84	4493.11	-4493.04	32.42	4493.16	179.59	2.37 SlimPulse	0
161	12484.00	89.45	180.14	94.00	8261.04	4587.10	-4587.02	33.95	4587.15	179.58	2.46 SlimPulse	0
162	12579.00	88.76	180.50	95.00	8262.52	4682.08	-4682.01	33.42	4682.13	179.59	0.82 SlimPulse	0
163	12678.00	91.31	180.26	99.00	8262.46	4781.07	-4781.00	32.76	4781.11	179.61	2.58 SlimPulse	0
164	12738.00	91.31	180.26	60.00	8261.09	4841.05	-4840.98	32.48	4841.09	179.62	0.01 Proj to Bit	0