



Reservoir Development

Drilling & Measurements

4301 SW 44th St

Oklahoma City, Oklahoma 73119 USA

Phone: (405) 682-2284

Fax: (405) 682-3937

NM OIL CONSERVATION

ARTESIA DISTRICT

April 2, 2015

APR 17 2015

Chevron North America Exploration & Production Co.

RECEIVED

1400 Smith St.

Houston, TX 77002

Re:

S22-T26S-R26E Eddy NM
N 32.03786 W 104.46035

CLIENT: Chevron U.S.A. Inc.
WELL: Skeen 22 26 26 Federal.COM 7H ST01
FIELD: Welch; Bone Spring
RIG: Ensign 767
COUNTY: Eddy
API NO: 30-015-42889-01
JOB NO: 15MLD1324

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>
Riley Swanston FET	Skeen 22 26 26 Federal COM 7H ST01 Side Track	9194.00 Ft to 15671.00 Ft	March 20, 2015 to March 27, 2015	SlimPulse

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

Qun Xu
Field Service Manager

Accepted for record
MAY 05

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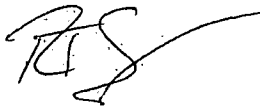
Well Reference:

S22-T26S-R26E Eddy NM

N 32.03786 W 104.46035

I, Riley Swanston certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of March 20, 2015 through March 27, 2015, conduct or supervise the taking of the SlimPulse surveys from a depth of 9194.00 feet to a depth of 15671.00 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 Chevron U.S.A. Inc. for the Skeen 22 26 26 Federal COM 7H ST01 Well (Side Track) API No. 30-015-42889-01 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.

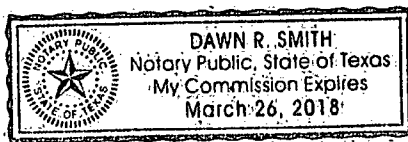
By
Riley Swanston
FET



Subscribed and Sworn to before me this 2nd day of April (month) 2015 (yr)

My Commission expires:

March 26, 2018



Dawn R. Smith
Notary Public

(signature)

Midland, Texas
(County State)

SCHLUMBERGER

Survey Report

7-Apr-2015

Client.....: Chevron U.S.A. Inc.
 Field.....: Welch; Bone Spring

Well.....: Skeen 22 26 26 Federal COM 7H ST01
 API number.....: 30-015-42889-01
 Engineer.....: R. Swanston

Spud date.....: 21-Oct-14
 Last survey date.....: 27-Mar-15
 Total accepted surveys...: 69
 MD of first survey.....: 9194.00 ft
 MD of last survey.....: 15671.00 ft

County.....: Eddy
 State.....: New Mexico
 Rig.....: Ensign 767

Latitude.....: 32.021631
 Longitude.....: -104.27373

----- 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.....: 3406.00
 KB above permanent.....: 3437.00
 DF above permanent.....: 3437.00

----- 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.....: 518473.00 ft
 Y.....: 371601.00 ft

Azimuth from Vsect Origin to target: 359.82 degrees

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

-----Run1----- Calculation Date: 19-Mar-2015
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 47980.52 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 59.7712 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 20-Mar-2015
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 47980.18 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 59.7711 degrees Tolerance Dip: 0.45 degrees

-----Run3----- Calculation Date: 24-Mar-2015
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 47978.83 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 59.7708 degrees Tolerance Dip: 0.45 degrees

BGGM Model: 2014

-----Run1-----

Magnetic dec (+E/W-).....: 7.6097 degrees
 Grid Conv (+E/W-).....: 0.0297 degrees
 Total Azim Corr (+E/W-)...: 7.58 degrees

-----Run2-----

Magnetic dec (+E/W-).....: 7.6095 degrees
 Grid Conv (+E/W-).....: 0.0295 degrees
 Total Azim Corr (+E/W-)...: 7.58 degrees

-----Run3-----

Magnetic dec (+E/W-).....: 7.6084 degrees
 Grid Conv (+E/W-).....: 0.0284 degrees
 Total Azim Corr (+E/W-)...: 7.58 degrees

-----Survey Correction Index Description-----

0 = Uncorrected 1 = Sag Corrected
 2 = DMAG Corrected 3 = Sag + DMAG Corrected

===== Survey List =====

Seq	MD	Incl	Azim	Course	TVD	V Sec	N/-S	E/-W	Closure	at Azi	DLS	Tool	Correction
-----	----	------	------	--------	-----	-------	------	------	---------	--------	-----	------	------------

	(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(deg/100ft)		
1	0.00	0.00	0.00	-999.25	0.00	0.00	0.00	0.00	0.00	0	90.00	0.00	TIP	0
2	436.00	0.85	242.89	436.00	435.98	-1.46	-1.47	-2.88	3.23	242.89	0.19	Other	14	
3	588.00	1.10	240.61	588.00	587.96	-2.69	-2.70	-5.15	5.82	242.32	0.17	Other	14	
4	771.00	1.15	237.12	771.00	770.93	-4.54	-4.56	-8.23	9.41	240.99	0.05	Other	14	
5	955.00	1.41	253.22	955.00	954.88	-6.18	-6.22	-11.94	13.47	242.50	0.24	Other	14	
6	1144.00	1.93	252.97	1144.00	1143.80	-7.77	-7.82	-17.21	18.91	245.56	0.28	Other	14	
7	1332.00	0.94	216.74	1332.00	1331.74	-9.92	-9.98	-21.16	23.4	244.74	0.69	Other	14	
8	1521.00	1.85	139.07	1521.00	1520.70	-13.47	-13.53	-20.09	24.22	236.04	1.00	Other	14	
9	1647.00	3.12	121.37	1647.00	1646.58	-16.80	-16.85	-15.83	23.12	223.21	1.17	Other	14	
10	1710.00	2.78	112.30	1710.00	1709.49	-18.29	-18.33	-12.95	22.44	215.25	0.92	Other	14	
11	1899.00	1.20	109.36	1899.00	1898.37	-20.70	-20.72	-6.85	21.82	198.28	0.84	Other	14	
12	2089.00	1.58	114.48	2089.00	2088.32	-22.46	-22.47	-2.59	22.62	186.56	0.21	Other	14	
13	2278.00	1.52	107.69	2278.00	2277.25	-24.31	-24.31	2.17	24.41	174.89	0.10	Other	14	
14	2467.00	1.43	117.62	2467.00	2466.19	-26.18	-26.16	6.65	27	165.73	0.14	Other	14	
15	2655.00	0.96	123.86	2655.00	2654.15	-28.16	-28.13	10.04	29.87	160.36	0.26	Other	14	
16	2844.00	0.29	172.81	2844.00	2843.13	-29.52	-29.48	11.41	31.62	158.84	0.42	Other	14	
17	3032.00	0.42	241.97	3032.00	3031.13	-30.31	-30.28	10.86	32.17	160.26	0.22	Other	14	
18	3221.00	0.73	238.53	3221.00	3220.12	-31.26	-31.23	9.23	32.57	163.54	0.16	Other	14	
19	3411.00	0.73	226.99	3411.00	3410.11	-32.72	-32.69	7.31	33.5	167.40	0.08	Other	14	
20	3600.00	0.48	231.68	3600.00	3599.10	-34.02	-34.00	5.81	34.5	170.31	0.13	Other	14	
21	3789.00	0.77	238.47	3789.00	3788.08	-35.17	-35.16	4.10	35.4	173.34	0.16	Other	14	
22	3978.00	0.89	195.20	3978.00	3977.07	-37.25	-37.24	2.64	37.33	175.95	0.33	Other	14	
23	4167.00	0.86	191.11	4167.00	4166.04	-40.05	-40.05	1.98	40.1	177.17	0.04	Other	14	
24	4356.00	0.74	209.26	4356.00	4355.03	-42.51	-42.51	1.11	42.52	178.51	0.15	Other	14	
25	4544.00	0.79	208.79	4544.00	4543.01	-44.70	-44.70	-0.11	44.7	180.14	0.03	Other	14	
26	4733.00	0.69	209.12	4733.00	4731.99	-46.83	-46.84	-1.29	46.85	181.58	0.05	Other	14	
27	4921.00	0.77	194.78	4921.00	4919.98	-49.04	-49.05	-2.16	49.09	182.53	0.11	Other	14	
28	5016.00	0.80	210.25	5016.00	5014.97	-50.23	-50.24	-2.66	50.31	183.03	0.22	Other	14	
29	5110.00	0.76	202.28	5110.00	5108.96	-51.37	-51.38	-3.23	51.48	183.59	0.12	Other	14	
30	5299.00	1.02	234.93	5299.00	5297.94	-53.49	-53.51	-5.08	53.75	185.42	0.30	Other	14	
31	5488.00	1.29	315.98	5488.00	5486.91	-52.92	-52.94	-7.94	53.53	188.52	0.80	Other	14	
32	5677.00	1.15	309.76	5677.00	5675.87	-50.17	-50.20	-10.87	51.36	192.22	0.10	Other	14	
33	5865.00	1.29	258.04	5865.00	5863.83	-49.39	-49.43	-14.39	51.48	196.23	0.57	Other	14	
34	6054.00	1.24	228.38	6054.00	6052.79	-51.17	-51.23	-18.00	54.3	199.36	0.34	Other	14	
35	6148.00	2.58	212.85	6148.00	6146.73	-53.62	-53.68	-19.91	57.26	200.35	1.52	Other	14	
36	6243.00	1.61	191.36	6243.00	6241.67	-56.72	-56.79	-21.33	60.66	200.59	1.30	Other	14	
37	6337.00	1.00	169.19	6337.00	6335.65	-58.82	-58.89	-21.44	62.67	200.00	0.83	Other	14	
38	6432.00	0.65	188.80	6432.00	6430.64	-60.17	-60.24	-21.37	63.91	199.53	0.47	Other	14	
39	6526.00	0.90	218.53	6526.00	6524.63	-61.27	-61.34	-21.91	65.14	199.65	0.49	Other	14	
40	6621.00	0.31	271.44	6621.00	6619.62	-61.85	-61.92	-22.63	65.92	200.08	0.79	Other	14	
41	6715.00	0.16	145.65	6715.00	6713.62	-61.95	-62.02	-22.81	66.08	200.19	0.45	Other	14	
42	6808.00	0.32	14.86	6808.00	6806.62	-61.80	-61.88	-22.67	65.9	200.12	0.47	Other	14	
43	6901.00	0.93	50.92	6901.00	6899.62	-61.08	-61.15	-22.02	64.99	199.80	0.75	Other	14	
44	7024.00	1.08	40.05	7024.00	7022.60	-59.57	-59.63	-20.50	63.06	198.97	0.20	Other	14	
45	7088.00	1.02	52.18	7088.00	7086.59	-58.76	-58.82	-19.66	62.02	198.48	0.36	Other	14	
46	7182.00	1.13	63.36	7182.00	7180.57	-57.84	-57.89	-18.17	60.68	197.42	0.25	Other	14	
47	7277.00	1.23	74.98	7277.00	7275.55	-57.16	-57.21	-16.35	59.5	195.95	0.27	Other	14	
48	7371.00	0.95	96.76	7371.00	7369.53	-56.99	-57.04	-14.60	58.88	194.36	0.53	Other	14	
49	7466.00	0.67	89.67	7466.00	7464.52	-57.09	-57.13	-13.26	58.65	193.07	0.31	Other	14	
50	7560.00	1.21	107.25	7560.00	7558.51	-57.38	-57.42	-11.76	58.61	191.58	0.64	Other	14	
51	7655.00	1.02	104.90	7655.00	7653.49	-57.90	-57.93	-9.99	58.79	189.78	0.21	Other	14	
52	7685.00	2.85	8.20	7685.00	7683.48	-57.23	-57.27	-9.62	58.07	189.54	10.46	Other	14	
53	7771.00	6.11	358.49	7771.00	7769.21	-50.54	-50.57	-9.44	51.45	190.57	3.88	Other	14	
54	7865.00	4.59	356.01	7865.00	7862.79	-41.79	-41.82	-9.83	42.96	193.23	1.64	Other	14	
55	7897.00	4.31	3.55	7897.00	7894.70	-39.31	-39.34	-9.85	40.55	194.05	2.02	Other	14	
56	7928.00	4.22	1.61	7928.00	7925.61	-37.01	-37.04	-9.74	38.3	194.74	0.55	Other	14	
57	7959.00	6.65	353.68	7959.00	7956.47	-34.08	-34.11	-9.91	35.52	196.20	8.19	Other	14	
58	7991.00	10.66	350.22	7991.00	7988.10	-29.32	-29.35	-10.62	31.21	199.88	12.63	Other	14	
59	8023.00	15.12	354.47	8023.00	8019.29	-22.24	-22.28	-11.52	25.08	207.35	14.24	Other	14	
60	8054.00	17.50	356.61	8054.00	8049.04	-13.56	-13.60	-12.19	18.26	221.86	7.92	Other	14	
61	8085.00	21.28	1.46	8085.00	8078.28	-3.28	-3.32	-12.32	12.76	254.92	13.24	Other	14	
62	8117.00	24.00	2.18	8117.00	8107.81	9.03	8.99	-11.92	14.93	307.02	8.54	Other	14	
63	8148.00	25.84	3.02	8148.00	8135.92	22.07	22.04	-11.33	24.78	332.80	6.04	Other	14	
64	8180.00	29.20	1.66	8180.00	8164.30	36.84	36.81	-10.73	38.34	343.74	10.68	Other	14	
65	8211.00	33.96	0.13	8211.00	8190.70	53.07	53.04	-10.50	54.06	348.81	15.57	Other	14	
66	8243.00	37.81	359.78	8243.00	8216.62	71.82	71.79	-10.51	72.55	351.67	12.05	Other	14	
67	8274.00	40.94	359.17	8274.00	8240.58	91.48	91.45	-10.70	92.08	353.33	10.17	Other	14	
68	8306.00	43.29	359.03	8306.00	8264.31	112.94	112.91	-11.03	113.45	354.42	7.35	Other	14	
69	8337.00	45.88	359.33	8337.00	8286.39	134.70	134.66	-11.34	135.14	355.18	8.38	Other	14	
70	8369.00	48.65	0.23	8369.00	8308.11	158.20	158.17	-11.43	158.58	355.87	8.90	Other	14	
71	8400.00	51.06	1.26	8400.00	8328.09	181.89	181.86	-11.12	182.2	356.50	8.18	Other	14	
72	8432.00	53.50	2.08	8432.00	8347.67	207.19	207.16	-10.38	207.42	357.13	7.89	Other	14	
73	8464.00	55.99	1.79	8464.00	8366.14	233.30	233.27	-9.50	233.46	357.67	7.82	Other	14	
74	8495.00	58.10	2.84	8495.00	8383.00	259.28	259.26	-8.44	259.4	358.13	7.38	Other	14	
75	8526.00	60.19	2.80	8526.00	8398.90	285.86	285.84	-7.13	285.93	358.57	6.74	Other	14	
76	8558.00	63.37	2.67	8558.00	8414.03	314.02	314.00	-5.79	314.05	358.94	9.94	Other	14	
77	8589.00	65.17	2.33	8589.00	8427.48	341.91	341.90	-4.57	341.93	359.23	5.89	Other	14	
78	8620.00	67.32	1.89	8620.00	8439.97	370.26	370.25	-3.53	370.27	359.45	7.06	Other	14	
79	8652.00	69.58	1.98	8652.00	8451.72	400.00	399.99	-2.52	400	359.64	7.07	Other	14	
80	8684.00	71.02	2.29	8684.00	8462.51	430.10	430.10	-1.40	430.1	359.81	4.59	Other	14	
81	8715.00	72.93	2.26	8715.00	8472.10	459.55	459.55	-0.23	459.55	359.97	6.16	Other	14	

82	8746.00	77.49	1.71	31.00	8480.01	489.50	489.50	0.81	489.5	0.09	14.81	Other	14
83	8778.00	81.35	1.42	32.00	8485.89	520.93	520.94	1.66	520.94	0.18	12.10	Other	14
84	8810.00	84.59	0.35	32.00	8489.81	552.68	552.69	2.15	552.69	0.22	10.65	Other	14
85	8855.00	85.80	360.00	45.00	8493.57	597.52	597.53	2.29	597.54	0.22	2.80	Other	14
86	8885.00	86.23	0.43	30.00	8495.66	627.45	627.46	2.40	627.46	0.22	2.02	Other	14
87	8915.00	87.16	0.60	30.00	8497.39	657.39	657.41	2.67	657.41	0.23	3.15	Other	14
88	8945.39	88.52	1.11	30.39	8498.53	687.76	687.77	3.13	687.78	0.26	4.78	Other	14
89	8976.00	89.63	1.18	30.61	8499.03	718.35	718.37	3.74	718.38	0.30	3.63	Other	14
90	9194.00	91.38	0.46	218.00	8497.11	936.30	936.33	6.86	936.35	0.42	0.87	SlimPulse	0
91	9372.00	92.75	359.96	178.00	8490.70	1114.18	1114.21	7.52	1114.23	0.39	0.82	SlimPulse	0
92	9469.00	92.96	359.50	97.00	8485.87	1211.06	1211.09	7.07	1211.11	0.33	0.52	SlimPulse	0
93	9564.00	91.51	359.41	95.00	8482.16	1305.98	1306.01	6.16	1306.02	0.27	1.52	SlimPulse	0
94	9658.00	90.76	359.11	94.00	8480.30	1399.96	1399.98	4.96	1399.99	0.20	0.87	SlimPulse	0
95	9752.00	90.24	359.00	94.00	8479.49	1493.95	1493.96	3.41	1493.97	0.13	0.56	SlimPulse	0
96	9847.00	89.79	358.35	95.00	8479.46	1588.93	1588.94	1.21	1588.94	0.04	0.84	SlimPulse	0
97	9941.00	88.73	356.66	94.00	8480.67	1682.84	1682.84	-2.88	1682.84	359.90	2.12	SlimPulse	0
98	10036.00	90.45	357.83	95.00	8481.35	1777.73	1777.72	-7.45	1777.73	359.76	2.19	SlimPulse	0
99	10130.00	92.24	359.03	94.00	8479.15	1871.67	1871.65	-10.02	1871.68	359.69	2.29	SlimPulse	0
100	10225.00	92.41	359.73	95.00	8475.30	1966.59	1966.57	-11.04	1966.6	359.68	0.75	SlimPulse	0
101	10320.00	91.93	359.72	95.00	8471.71	2061.52	2061.50	-11.50	2061.53	359.68	0.51	SlimPulse	0
102	10414.00	88.73	358.02	94.00	8471.17	2155.49	2155.46	-13.36	2155.5	359.64	3.85	SlimPulse	0
103	10508.00	89.48	357.16	94.00	8472.64	2249.41	2249.37	-17.30	2249.43	359.56	1.22	SlimPulse	0
104	10602.00	89.28	357.27	94.00	8473.65	2343.31	2343.25	-21.87	2343.35	359.47	0.25	SlimPulse	0
105	10696.00	88.90	357.23	94.00	8475.15	2437.20	2437.13	-26.38	2437.27	359.38	0.40	SlimPulse	0
106	10791.00	89.24	357.92	95.00	8476.69	2532.11	2532.03	-30.40	2532.21	359.31	0.82	SlimPulse	0
107	10886.00	89.24	359.02	95.00	8477.94	2627.08	2626.99	-32.93	2627.19	359.28	1.15	SlimPulse	0
108	10980.00	89.21	359.46	94.00	8479.21	2721.06	2720.97	-34.18	2721.19	359.28	0.48	SlimPulse	0
109	11074.00	89.31	0.55	94.00	8480.43	2815.05	2814.96	-34.18	2815.17	359.30	1.16	SlimPulse	0
110	11168.00	89.14	0.99	94.00	8481.70	2909.03	2908.94	-32.91	2909.13	359.35	0.51	SlimPulse	0
111	11263.00	89.52	1.92	95.00	8482.81	3003.99	3003.91	-30.50	3004.06	359.42	1.06	SlimPulse	0
112	11357.00	89.90	2.44	94.00	8483.29	3097.91	3097.84	-26.92	3097.95	359.50	0.68	SlimPulse	0
113	11451.00	89.86	1.90	94.00	8483.48	3191.83	3191.77	-23.36	3191.85	359.58	0.58	SlimPulse	0
114	11546.00	89.76	1.70	95.00	8483.80	3286.77	3286.72	-20.37	3286.78	359.64	0.23	SlimPulse	0
115	11640.00	89.86	2.03	94.00	8484.11	3380.71	3380.67	-17.31	3380.71	359.71	0.37	SlimPulse	0
116	11735.00	89.72	1.77	95.00	8484.45	3475.64	3475.62	-14.15	3475.65	359.77	0.31	SlimPulse	0
117	11829.00	89.59	0.95	94.00	8485.01	3569.61	3569.59	-11.92	3569.61	359.81	0.89	SlimPulse	0
118	11924.00	89.97	0.36	95.00	8485.39	3664.60	3664.58	-10.84	3664.6	359.83	0.74	SlimPulse	0
119	12019.00	90.03	359.23	95.00	8485.39	3759.59	3759.58	-11.18	3759.59	359.83	1.19	SlimPulse	0
120	12113.00	90.17	358.56	94.00	8485.22	3853.58	3853.56	-12.99	3853.58	359.81	0.73	SlimPulse	0
121	12208.00	90.55	357.94	95.00	8484.62	3948.54	3948.51	-15.89	3948.54	359.77	0.77	SlimPulse	0
122	12302.00	89.38	357.21	94.00	8484.67	4042.47	4042.43	-19.87	4042.48	359.72	1.46	SlimPulse	0
123	12396.00	90.14	357.52	94.00	8485.07	4136.38	4136.33	-24.19	4136.4	359.66	0.87	SlimPulse	0
124	12490.00	90.14	358.22	94.00	8484.84	4230.33	4230.26	-27.69	4230.35	359.62	0.74	SlimPulse	0
125	12585.00	89.97	358.64	95.00	8484.76	4325.30	4325.22	-30.30	4325.33	359.60	0.48	SlimPulse	0
126	12679.00	90.55	358.99	94.00	8484.33	4419.28	4419.20	-32.25	4419.32	359.58	0.72	SlimPulse	0
127	12774.00	89.66	358.85	95.00	8484.16	4514.27	4514.18	-34.04	4514.31	359.57	0.95	SlimPulse	0
128	12869.00	89.86	358.95	95.00	8484.56	4609.26	4609.17	-35.86	4609.3	359.55	0.24	SlimPulse	0
129	12963.00	90.03	358.31	94.00	8484.65	4703.23	4703.14	-38.10	4703.29	359.54	0.70	SlimPulse	0
130	13058.00	89.21	357.79	95.00	8485.27	4798.19	4798.08	-41.33	4798.26	359.51	1.03	SlimPulse	0
131	13152.00	89.79	357.37	94.00	8486.09	4892.11	4891.99	-45.30	4892.2	359.47	0.77	SlimPulse	0
132	13241.00	89.38	359.45	89.00	8486.73	4981.08	4980.95	-47.77	4981.18	359.45	2.38	SlimPulse	0
133	13335.00	90.28	3.11	94.00	8487.01	5075.03	5074.91	-45.68	5075.11	359.48	4.02	SlimPulse	0
134	13430.00	90.14	4.04	95.00	8486.67	5169.82	5169.72	-39.75	5169.88	359.56	0.98	SlimPulse	0
135	13524.00	90.00	4.46	94.00	8486.56	5263.54	5263.46	-32.79	5263.57	359.64	0.47	SlimPulse	0
136	13618.00	90.14	4.16	94.00	8486.45	5357.25	5357.20	-25.73	5357.26	359.72	0.35	SlimPulse	0
137	13713.00	89.79	3.80	95.00	8486.50	5452.00	5451.97	-19.13	5452	359.80	0.53	SlimPulse	0
138	13807.00	90.38	3.09	94.00	8486.36	5545.81	5545.80	-13.49	5545.81	359.86	0.98	SlimPulse	0
139	13902.00	90.41	2.28	95.00	8485.71	5640.69	5640.69	-9.04	5640.7	359.91	0.85	SlimPulse	0
140	13996.00	90.17	0.86	94.00	8485.23	5734.64	5734.65	-6.47	5734.66	359.94	1.53	SlimPulse	0
141	14090.00	89.62	359.08	94.00	8485.40	5828.64	5828.65	-6.52	5828.65	359.94	1.98	SlimPulse	0
142	14185.00	88.08	358.66	95.00	8487.31	5923.60	5923.61	-8.39	5923.61	359.92	1.69	SlimPulse	0
143	14279.00	86.87	359.83	94.00	8491.45	6017.50	6017.50	-9.62	6017.51	359.91	1.79	SlimPulse	0
144	14373.00	87.01	1.44	94.00	8496.48	6111.36	6111.36	-8.58	6111.37	359.92	1.72	SlimPulse	0
145	14468.00	89.07	2.91	95.00	8499.73	6206.21	6206.23	-4.97	6206.23	359.95	2.67	SlimPulse	0
146	14563.00	90.38	1.56	95.00	8500.18	6301.12	6301.15	-1.26	6301.15	359.99	1.97	SlimPulse	0
147	14657.00	92.20	0.38	94.00	8498.07	6395.08	6395.11	0.33	6395.11	0.00	2.31	SlimPulse	0
148	14752.00	93.17	358.77	95.00	8493.62	6489.97	6490.00	-0.37	6490	360.00	1.97	SlimPulse	0
149	14846.00	93.20	357.03	94.00	8488.40	6583.76	6583.79	-3.81	6583.79	359.97	1.86	SlimPulse	0
150	14940.00	92.37	354.53	94.00	8483.83	6677.41	6677.41	-10.72	6677.42	359.91	2.80	SlimPulse	0
151	15034.00	91.31	354.02	94.00	8480.81	6770.92	6770.89	-20.10	6770.92	359.83	1.26	SlimPulse	0
152	15129.00	88.97	354.16	95.00	8480.59	6865.44	6865.38	-29.87	6865.45	359.75	2.46	SlimPulse	0
153	15223.00	88.25	355.10	94.00	8482.87	6959.03	6958.94	-38.67	6959.05	359.68	1.26	SlimPulse	0
154	15318.00	88.11	356.29	95.00	8485.89	7053.73	7053.62	-45.80	7053.77	359.63	1.26	SlimPulse	0
155	15413.00	87.49	357.28	95.00	8489.54	7148.53	7148.40	-51.12	7148.58	359.59	1.23	SlimPulse	0
156	15507.00	87.59	358.71	94.00	8493.57	7242.39	7242.25	-54.40	7242.46	359.57	1.52	SlimPulse	0
157	15601.00	87.76	359.53	94.00	8497.38	7336.30	7336.16	-55.83	7336.38	359.56	0.89	SlimPulse	0
158	15671.00	87.35	0.55	70.00	8500.36	7406.24	7406.10	-55.78	7406.31	359.57	1.57	SlimPulse	0
159	15710.00	87.35	0.55	39.00	8502.17	7445.19	7445.06	-55.41	7445.26	359.57	0.01	Other	7