

Results of Directional Survey

API number:	30-025-41352		
OGRID:		Operator:	GMT EXPLORATION COMPANY LLC
		Property:	MERCHANT GAP 36 STATE COM # 1H

surface	ULSTR:	D	36	T 22S	R 34E
				40 FNL	350 FWL

BH Loc	ULSTR:	M	36	T 22S	R 34E
15974	MD	11352.2	TVD	335 FSL	369 FWL
				4945 FNL	

Top Perf/OH	ULSTR:	D	36	T 22S	R 34E
11718	MD	11307.2	TVD	699 FNL	351 FWL

Bot Perf/OH	ULSTR:	M	36	T 22S	R 34E
15783	MD	11360.6	TVD	525 FSL	381 FWL
				4755 FNL	

	MD	N/S	E/W	VD
	11703	-643.95	-0.36	11306.75
TOP PERFS/OH	11718	-658.91	0.63	11307.15
	11735	-675.87	1.75	11307.60
	15745	-4676.78	34.98	11361.00
BOT PERFS/OH	15783	-4714.56	31.11	11360.56
	15839	-4770.24	25.41	11359.92

NEXT TO LAST	15941	-4871.94	20.14	11354.30
LAST READING	15974	-4904.85	18.76	11352.17
TD	15974	-4904.85	18.76	11352.17

Surface Location	40	FN	350	FW
Projected BHL	4945	FN	369	FW
Location of				
Top Perfs/OH	699	FN	351	FW
Bottom Perfs/OH	4755	FN	381	FW

SUMMARY of Subsurface Locations

Surface Location	D-36-22S-34E	40	FN	350	FW	Vert. Depth
Top Perfs/OH	D-36-22S-34E	699	FN	351	FW	11307.15
Bottom Perfs/OH	M-36-22S-34E	4755	FN	381	FW	11360.56
Projected TD	M-36-22S-34E	4945	FN	369	FW	11352.17

MAY 19 2014

Spud Date : 1/2/2014
Completion Date : 3/22/2014
G.L. Elevation : 3417
K.B. Elevation : 3436.5
Diagram Date : 4/7/2014
Revisions : HC

Type	Hole Size	Csg Size	Weight	Grade	Depth	Jts.	Cementing Details
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Size	Weight	Grade	No. of Jts	Length	Depth	Type
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[illegible]

See Frac Details Tab for Stimulation

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

HOBBS OCD**MAY 07 2014****RECEIVED**

Well Name and Num: Merchant Gap 36 Com #1H
Location: Sec 36, T22S, R34E
Operator: GMT
Drilling Contractor: McVay Drilling Company

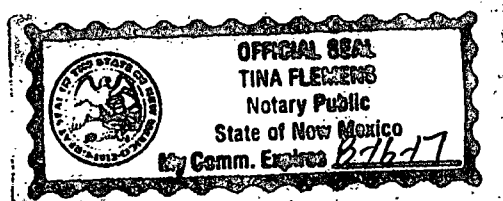
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.50	132	1.08	6984	88.42	11713
0.20	590	1.62	7271	88.38	11856
0.30	949	1.07	7846	88.90	12335
0.80	1425	1.11	8132	89.17	12616
0.60	1758	1.42	8417	89.14	12998
0.57	1851	1.54	8794	89.24	13381
0.94	2232	1.05	8890	89.17	13668
1.61	2612	0.12	9269	89.35	13952
0.21	3088	0.50	9550	91.10	14427
1.93	3457	0.23	9839	89.10	14710
1.12	3752	1.07	10204	89.70	15180
1.05	4226	0.81	10677	89.38	15464
0.80	4890	1.58	10739	93.74	15941
0.62	4984	34.19	11087		
0.89	5370	68.96	11516		
1.11	5845	82.83	11561		
1.10	6511	88.32	11657		

By: [Signature]

Subscribed and sworn to before me this 12th day of February, 2014

[Signature]
Notary Public, Lea County, New Mexico



Reservoir Development
Drilling & Measurements (Anadrill)
4301 SW 44th St
Oklahoma City, Oklahoma 73119 USA
Phone: (405) 682-2284
Fax: (405) 682-3937

February 17, 2014

GMT Exploration Company, LLC
1560 Broadway, Suite 2000

HOBBS OCD

Denver, CO 80202

MAY 07 2014

RECEIVED

Re:

D-36-T22S-R34E 40 FNL 350 FWL
N 32.35532 W 103.43115

CLIENT: GMT Exploration Company, LLC
WELL: Merchant Gap 36 State Com 1H
FIELD: Ojo Chiso; Bone Spring, South
RIG: McVay 4
COUNTY: Lea
API NO: 30-025-41352
JOB NO: 13MLD0746

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>
Grant Obioha Field Engineer	Merchant Gap 36 State Com 1H Original Hole	1851.00 Ft to 15941.00 Ft	January 6, 2014 to February 3, 2014	SlimPulse

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

Jasem Alharer
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

MAY 07 2014

RECEIVED

Well Reference:

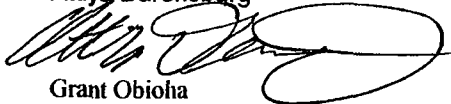
D-36-T22S-R34E 40 FNL 350 FWL

N 32.35529 W 103.43107

I, Grant Obioha certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of January 06, 2014 through February 03, 2014, conduct or supervise the taking of the SlimPulse surveys from a depth of 1851.00 feet to a depth of 15941.00 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 GMT Exploration Company, LLC for the Merchant Gap 36 State Com 1H Well (Original Hole) API No. 30-025-41352 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

Attiya Darensburg



Grant Obioha

Field Engineer

Subscribed and Sworn to before me this 17th day of February (month) 2014 (yr)

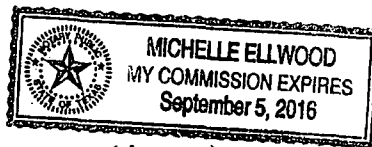
My Commission expires:

September 5, 2016Michelle Ellwood

Notary Public

Midland, Texas

(County State)



(signature)

SCHLUMBERGER
Survey Report

25-Apr-2014

Client..... GMT Exploration, LLC
Field..... Ojo Chiso; Bone Spring, South

Well..... Merchant Gap 36 State Com 1H
API number..... 30-025-41352
Engineer..... Grant Obioha

Spud date..... 2-Jan-14
Last survey date..... 3-Feb-14
Total accepted surveys... 184
MD of first survey..... 1851.00 ft
MD of last survey..... 15941.00 ft

County..... Lea
State..... New Mexico
Rig..... McVay 4

Latitude..... 32° 21' 19.138" N
Longitude..... 103° 25' 52.131" 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..... 3415.00
KB above permanent..... 3434.50
DF above permanent..... 3434.50

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

----- Grid Coordinates -----
NAD27 Texas State Plane, Central Zone, US Feet
X..... 819925.40 ft
Y..... 494169.70 ft

Azimuth from Vsect Origin to target: 179.85 degrees

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

-----Run1----- Calculation Date: 6-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48440.07 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2567 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 8-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48439.43 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2565 degrees Tolerance Dip: 0.45 degrees

-----Run3----- Calculation Date: 12-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48438.15 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2562 degrees Tolerance Dip: 0.45 degrees

-----Run4----- Calculation Date: 16-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48436.87 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2558 degrees Tolerance Dip: 0.45 degrees

-----Run5----- Calculation Date: 23-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48434.63 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2553 degrees Tolerance Dip: 0.45 degrees

-----Run6----- Calculation Date: 27-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48433.35 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2549 degrees Tolerance Dip: 0.45 degrees

-----Run7----- Calculation Date: 28-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48433.04 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2548 degrees Tolerance Dip: 0.45 degrees

-----Run8----- Calculation Date: 30-Jan-2014
Location G..... 998.94325 mgn Tolerance G... 2.50 mgn
Location B..... 48432.39 nT Tolerance B... 300.00 nT
Magnetic Dip: 60.2547 degrees Tolerance Dip: 0.45 degrees

BGGM Model: 2012

-----Run1-----
Magnetic dec (+E/W)..... 7.322 degrees
Grid Conv (+E/W)..... 0.482 degrees
Total Azim Corr (+E/W)..... 6.84 degrees

-----Run2-----
Magnetic dec (+E/W)..... 7.3214 degrees
Grid Conv (+E/W)..... 0.4814 degrees
Total Azim Corr (+E/W)..... 6.84 degrees

-----Run3-----
Magnetic dec (+E/W)..... 7.3201 degrees
Grid Conv (+E/W)..... 0.4801 degrees
Total Azim Corr (+E/W)..... 6.84 degrees

-----Run4-----
Magnetic dec (+E/W)..... 7.3189 degrees
Grid Conv (+E/W)..... 0.4789 degrees
Total Azim Corr (+E/W)..... 6.84 degrees

-----Run5-----
Magnetic dec (+E/W)-.....: 7.3168 degrees
Grid Conv (+E/W)-.....: 0.4868 degrees
Total Azim Corr (+E/W)-.: 6.83 degrees

-----Run6-----
Magnetic dec (+E/W)-.....: 7.3155 degrees
Grid Conv (+E/W)-.....: 0.4855 degrees
Total Azim Corr (+E/W)-.: 6.83 degrees

-----Run7-----
Magnetic dec (+E/W)-.....: 7.3152 degrees
Grid Conv (+E/W)-.....: 0.4852 degrees
Total Azim Corr (+E/W)-.: 6.83 degrees

-----Run8-----
Magnetic dec (+E/W)-.....: 7.3146 degrees
Grid Conv (+E/W)-.....: 0.4846 degrees
Total Azim Corr (+E/W)-.: 6.83 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	0
2	132.00	0.50	199.00	132.00	132.00	0.54	-0.54	-0.19	0.58	199.00	0.38	Other	0	0
3	226.00	0.30	276.00	94.00	226.00	0.91	-0.91	-0.57	1.07	211.97	0.56	Other	0	0
4	1107.00	0.40	344.00	881.00	1106.98	-2.30	2.29	-3.71	4.36	301.71	0.05	Other	0	0
5	1234.00	0.40	343.00	127.00	1233.98	-3.15	3.14	-3.96	5.05	308.42	0.01	Other	0	0
6	1326.00	0.60	339.00	92.00	1325.98	-3.91	3.90	-4.23	5.75	312.69	0.22	Other	0	0
7	1425.00	0.80	307.00	99.00	1424.97	-4.81	4.80	-4.96	6.9	314.03	0.44	Other	0	0
8	1851.00	0.67	307.44	426.00	1850.93	-8.12	8.10	-9.31	12.34	311.01	0.03	SlimPulse	0	0
9	1950.00	0.61	306.50	99.00	1949.93	-8.79	8.76	-10.19	13.44	310.68	0.06	SlimPulse	0	0
10	2042.00	0.92	326.87	92.00	2041.92	-9.69	9.67	-10.98	14.63	311.35	0.44	SlimPulse	0	0
11	2138.00	0.91	317.80	96.00	2137.91	-10.90	10.87	-11.92	16.13	312.38	0.15	SlimPulse	0	0
12	2232.00	0.94	323.17	94.00	2231.90	-12.07	12.04	-12.88	17.63	313.08	0.10	SlimPulse	0	0
13	2327.00	1.11	311.34	95.00	2326.88	-13.30	13.27	-14.03	19.31	313.40	0.29	SlimPulse	0	0
14	2422.00	1.32	305.63	95.00	2421.86	-14.55	14.51	-15.61	21.31	312.91	0.26	SlimPulse	0	0
15	2517.00	1.28	312.02	95.00	2516.84	-15.90	15.86	-17.29	23.46	312.54	0.16	SlimPulse	0	0
16	2612.00	1.61	317.01	95.00	2611.81	-17.59	17.55	-18.98	25.85	312.74	0.36	SlimPulse	0	0
17	2707.00	1.84	311.04	95.00	2706.76	-19.58	19.52	-21.04	28.7	312.85	0.31	SlimPulse	0	0
18	2803.00	1.65	310.94	96.00	2802.72	-21.50	21.44	-23.25	31.63	312.68	0.20	SlimPulse	0	0
19	2840.00	1.44	312.06	37.00	2839.70	-22.16	22.10	-24.00	32.63	312.64	0.57	SlimPulse	0	0
20	2866.00	1.09	308.31	26.00	2865.70	-22.54	22.48	-24.44	33.2	312.60	1.41	SlimPulse	0	0
21	2898.00	0.79	302.30	32.00	2897.69	-22.85	22.78	-24.86	33.72	312.50	0.97	SlimPulse	0	0
22	2927.00	0.69	296.93	29.00	2926.69	-23.03	22.97	-25.19	34.09	312.36	0.43	SlimPulse	0	0
23	2962.00	0.68	287.41	35.00	2961.69	-23.19	23.12	-25.57	34.48	312.12	0.32	SlimPulse	0	0
24	2993.00	0.52	273.32	31.00	2992.69	-23.25	23.19	-25.89	34.75	311.85	0.70	SlimPulse	0	0
25	3026.00	0.58	286.11	33.00	3025.69	-23.31	23.24	-26.19	35.02	311.58	0.41	SlimPulse	0	0
26	3088.00	0.21	358.15	62.00	3087.68	-23.51	23.44	-26.50	35.38	311.50	0.89	SlimPulse	0	0
27	3183.00	0.55	64.42	95.00	3182.68	-23.88	23.81	-26.09	35.32	312.39	0.53	SlimPulse	0	0
28	3277.00	0.88	72.41	94.00	3276.67	-24.29	24.22	-24.99	34.81	314.10	0.36	SlimPulse	0	0
29	3342.00	1.52	94.28	65.00	3341.66	-24.37	24.31	-23.66	33.92	315.78	1.19	SlimPulse	0	0
30	3375.00	1.89	92.91	33.00	3374.65	-24.31	24.25	-22.68	33.2	316.92	1.14	SlimPulse	0	0
31	3404.00	2.11	101.12	29.00	3403.63	-24.18	24.12	-21.68	32.43	318.05	1.24	SlimPulse	0	0
32	3436.00	2.00	106.59	32.00	3435.61	-23.90	23.85	-20.57	31.49	319.23	0.69	SlimPulse	0	0
33	3467.00	1.93	117.15	31.00	3466.59	-23.51	23.46	-19.58	30.56	320.14	1.19	SlimPulse	0	0
34	3530.00	1.72	119.48	63.00	3529.56	-22.55	22.51	-17.81	28.7	321.64	0.34	SlimPulse	0	0
35	3562.00	1.56	122.00	32.00	3561.54	-22.08	22.04	-17.02	27.85	322.31	0.55	SlimPulse	0	0
36	3657.00	1.77	113.86	95.00	3656.50	-20.79	20.76	-14.58	25.37	324.91	0.33	SlimPulse	0	0
37	3752.00	1.12	108.09	95.00	3751.47	-19.91	19.87	-12.36	23.4	328.13	0.70	SlimPulse	0	0
38	3847.00	1.45	105.36	95.00	3846.45	-19.29	19.27	-10.32	21.86	331.84	0.35	SlimPulse	0	0
39	3942.00	1.16	142.15	95.00	3941.43	-18.21	18.19	-8.57	20.1	334.78	0.91	SlimPulse	0	0
40	4037.00	1.17	169.87	95.00	4036.41	-16.49	16.47	-7.80	18.23	334.65	0.59	SlimPulse	0	0
41	4131.00	1.09	185.25	94.00	4130.39	-14.66	14.64	-7.72	16.55	332.21	0.33	SlimPulse	0	0
42	4226.00	1.05	198.38	95.00	4225.37	-12.94	12.92	-8.07	15.24	328.00	0.26	SlimPulse	0	0
43	4321.00	1.13	212.21	95.00	4320.36	-11.33	11.31	-8.85	14.36	321.96	0.29	SlimPulse	0	0
44	4415.00	1.12	219.06	94.00	4414.34	-9.84	9.81	-9.92	13.95	314.70	0.14	SlimPulse	0	0
45	4510.00	1.38	220.98	95.00	4509.32	-8.26	8.23	-11.25	13.94	306.19	0.28	SlimPulse	0	0
46	4605.00	1.13	223.62	95.00	4604.29	-6.72	6.69	-12.64	14.3	297.88	0.27	SlimPulse	0	0
47	4700.00	1.21	228.79	95.00	4699.27	-5.39	5.35	-14.05	15.03	290.85	0.14	SlimPulse	0	0
48	4795.00	1.28	243.03	95.00	4794.25	-4.25	4.21	-15.75	16.3	284.95	0.33	SlimPulse	0	0
49	4890.00	0.80	284.70	95.00	4889.24	-3.94	3.89	-17.34	17.77	282.65	0.91	SlimPulse	0	0
50	4984.00	0.62	311.34	94.00	4983.23	-4.44	4.39	-16.36	18.88	283.46	0.40	SlimPulse	0	0
51	5086.00	0.69	312.20	102.00	5085.22	-5.22	5.17	-19.23	19.91	285.05	0.07	SlimPulse	13	0
52	5118.00	0.73	311.10	32.00	5117.22	-5.49	5.44	-19.53	20.27	285.56	0.12	SlimPulse	0	0
53	5181.00	0.65	77.55	63.00	5180.22	-5.83	5.78	-19.48	20.32	286.52	1.95	SlimPulse	0	0
54	5275.00	0.91	84.47	94.00	5274.21	-6.01	5.96	-18.22	19.17	288.12	0.29	SlimPulse	0	0
55	5370.00	0.89	86.21	95.00	5369.20	-6.13	6.08	-16.73	17.8	289.98	0.03	SlimPulse	0	0
56	5465.00	0.99	69.50	95.00	5464.18	-6.46	6.42	-15.22	16.52	292.87	0.31	SlimPulse	0	0
57	5560.00	1.18	113.01	95.00	5559.17	-6.36	6.33	-13.55	14.95	295.02	0.87	SlimPulse	0	0
58	5655.00	1.19	109.54	95.00	5654.15	-5.64	5.61	-11.72	13	295.59	0.08	SlimPulse	0	0
59	5750.00	1.11	103.58	95.00	5749.13	-5.09	5.07	-9.90	11.12	297.11	0.15	SlimPulse	0	0
60	5845.00	1.11	103.85	95.00	5844.11	-4.65	4.63	-8.11	9.34	298.73	0.01	SlimPulse	0	0
61	5940.00	1.02	104.94	95.00	5939.09	-4.21	4.19	-6.40	7.65	303.23	0.10	SlimPulse	0	0
62	6035.00	1.15	108.45	95.00	6034.08	-3.67	3.66	-4.68	5.94	308.00	0.17	SlimPulse	0	0
63	6130.00	1.12	103.82	95.00	6129.06	-3.12	3.12	-2.87	4.24	317.31	0.12	SlimPulse	0	0
64	6225.00	1.08	100.10	95.00	6224.04	-2.74	2.74	-1.09	2.95	338.26	0.09	SlimPulse	0	0
65	6320.00	1.11	92.15	95.00	6319.02	-2.54	2.55	0.71	2.64	15.51	0.16	SlimPulse	0	0
66	6415.00	1.05	84.04	95.00	6414.01	-2.59	2.60	2.49	3.6	43.73	0.17	SlimPulse	0	0
67	6511.00	1.10	86.94	96.00	6509.99	-2.73	2.74	4.28	5.08	57.35	0.08	SlimPulse	0	0
68	6604.00	1.09	93.60	93.00	6602.97	-2.72	2.73	6.05	6.64	65.67	0.14	SlimPulse	0	0
69	6698.00	0.98	93.39	94.00	6696.96	-2.61	2.63	7.74	8.17	71.23	0.11	SlimPulse	0	0
70	6793.00	0.98	106.04	95.00	6791.94	-2.33	2.36	9.33	9.62	75.81	0.23	SlimPulse	0	0
71	6888.00	1.16	119.60	95.00	6886.93	-1.63	1.66	10.94	11.06	81.37	0.32	SlimPulse	0	0
72	6984.00	1.08	126.96	96.00	6982.91	-0.61	0.64	12.50	12.52	87.07	0.17	SlimPulse	0	0
73	7080.00	1.24	132.00	96.00	7078.89	0.64	-0.60	14.00	14.01	92.45	0.20	SlimPulse	0	0
74	7176.00	1.98	180.97	96.00	7174.86	2.99	-2.95	14.74	15.03	101.31	1.55	SlimPulse	0	0
75	7271.00	1.62	203.61	95.00	7269.81	5.85	-5.82	14.18	15.32	112.31	0.83	SlimPulse	0	0
76	7368.00	1.18	220.05	97.00	7366.78	7.87	-7.84	12.99	15.17	121.11	0.61	SlimPulse	0	0
77	7464.00	0.96	220.57	96.00	7462.76	9.23	-9.20	11.83	14.99	127.89	0.22	SlimPulse	0	0
78	7560.00	1.00	216.70	96.00	7558.75	10.52	-10.49	10.80	15.06	134.16	0.08	SlimPulse	0	0
79	7654.00	1.17	216.25	94.00	7652.73	11.95	-11.92	9.74	15.4	140.76	0.18	SlimPulse	0	0
80	7751.00	1.17	225.70	97.00	7749.71	13.44	-13.42	8.45	15.85	147.81	0.20	SlimPulse	0	0
81	7846.00	1.07	236.98	95.00	7844.70	14.60	-14.58	7.00	16.17	154.34	0.25	SlimPulse	0	0

82	7941.00	1.12	252.74	95.00	7999.68	15.35	-15.34	5.37	16.25	160.70	0.32	SlimPulse	0
83	8037.00	0.93	265.21	96.00	8035.66	15.69	-15.68	3.70	16.11	166.71	0.31	SlimPulse	0
84	8132.00	1.11	272.65	95.00	8130.65	15.71	-15.70	2.02	15.83	172.67	0.24	SlimPulse	0
85	8227.00	1.26	276.78	95.00	8225.63	15.54	-15.54	0.06	15.54	179.78	0.19	SlimPulse	0
86	8322.00	1.42	276.94	95.00	8320.60	15.27	-15.27	-2.15	15.42	188.01	0.16	SlimPulse	0
87	8417.00	1.41	282.04	95.00	8415.57	14.87	-14.89	-4.46	15.54	196.68	0.13	SlimPulse	0
88	8511.00	1.39	281.09	94.00	8509.54	14.41	-14.43	-6.71	15.91	204.94	0.04	SlimPulse	0
89	8605.00	1.16	282.14	94.00	8603.52	13.98	-14.01	-8.75	16.52	211.99	0.25	SlimPulse	0
90	8700.00	1.33	280.24	95.00	8698.50	13.58	-13.61	-10.77	17.36	218.35	0.19	SlimPulse	0
91	8794.00	1.54	281.16	94.00	8792.47	13.14	-13.17	-13.08	18.56	224.80	0.23	SlimPulse	0
92	8890.00	1.05	328.73	96.00	8888.45	12.13	-12.17	-14.80	19.16	230.57	1.18	SlimPulse	0
93	8985.00	1.41	320.47	95.00	8983.43	10.49	-10.53	-16.00	19.15	236.66	0.43	SlimPulse	0
94	9080.00	2.08	357.66	95.00	9078.38	7.86	-7.90	-16.81	18.58	244.84	1.35	SlimPulse	0
95	9174.00	2.30	9.55	94.00	9172.32	4.29	-4.33	-16.57	17.13	255.36	0.54	SlimPulse	0
96	9269.00	0.12	62.15	95.00	9267.29	2.36	-2.40	-16.16	16.34	261.56	2.35	SlimPulse	0
97	9362.00	0.32	146.65	93.00	9360.29	2.53	-2.57	-15.93	16.14	260.85	0.35	SlimPulse	0
98	9455.00	0.29	185.02	93.00	9453.29	2.98	-3.02	-15.81	16.1	259.19	0.22	SlimPulse	0
99	9550.00	0.50	346.78	95.00	9548.29	2.82	-2.86	-15.93	16.18	259.83	0.83	SlimPulse	0
100	9641.00	0.21	45.13	91.00	9639.28	2.31	-2.35	-15.90	16.07	261.58	0.47	SlimPulse	0
101	9736.00	0.10	258.76	95.00	9734.28	2.21	-2.25	-15.86	16.02	261.94	0.32	SlimPulse	0
102	9830.00	0.23	254.59	94.00	9828.28	2.27	-2.31	-16.13	16.29	261.84	0.14	SlimPulse	0
103	9925.00	0.25	286.32	95.00	9923.28	2.26	-2.31	-16.51	16.67	262.05	0.14	SlimPulse	0
104	10016.00	0.49	264.44	91.00	10014.28	2.24	-2.29	-17.08	17.24	262.37	0.30	SlimPulse	0
105	10110.00	1.07	85.78	94.00	10108.28	2.22	-2.26	-16.61	16.76	262.24	1.65	SlimPulse	0
106	10204.00	1.07	83.15	94.00	10202.26	2.06	-2.09	-14.87	15.02	261.99	0.05	SlimPulse	0
107	10300.00	0.85	49.76	96.00	10298.25	1.50	-1.53	-13.44	13.53	263.51	0.61	SlimPulse	0
108	10395.00	0.77	34.72	95.00	10393.24	0.52	-0.55	-12.54	12.55	267.49	0.24	SlimPulse	0
109	10490.00	0.52	350.81	95.00	10488.23	-0.43	0.40	-12.24	12.25	271.86	0.57	SlimPulse	0
110	10583.00	0.79	327.88	93.00	10581.23	-1.39	1.36	-12.65	12.73	276.12	0.40	SlimPulse	0
111	10677.00	0.81	321.47	94.00	10675.22	-2.47	2.43	-13.42	13.63	280.27	0.10	SlimPulse	0
112	10707.00	1.11	320.64	30.00	10705.21	-2.86	2.82	-13.73	14.02	281.61	0.98	SlimPulse	0
113	10739.00	1.58	250.36	32.00	10737.21	-2.95	2.91	-14.34	14.64	281.48	4.97	SlimPulse	0
114	10771.00	4.41	198.01	32.00	10769.16	-1.63	1.60	-15.14	15.22	276.02	11.46	SlimPulse	0
115	10802.00	8.64	184.12	31.00	10799.96	1.82	-1.86	-15.68	15.79	263.22	14.46	SlimPulse	0
116	10834.00	12.62	181.97	32.00	10831.40	7.72	-7.76	-15.97	17.75	244.09	12.48	SlimPulse	0
117	10865.00	16.04	178.17	31.00	10861.43	15.38	-15.42	-15.95	22.19	225.96	11.46	SlimPulse	0
118	10897.00	19.27	177.85	32.00	10891.92	25.08	-25.12	-15.61	29.58	211.85	10.08	SlimPulse	0
119	10928.00	22.31	177.66	31.00	10920.90	36.07	-36.11	-15.18	39.17	202.79	9.80	SlimPulse	0
120	10960.00	24.90	178.32	32.00	10950.22	48.88	-48.92	-14.73	51.09	196.76	8.16	SlimPulse	0
121	10992.00	26.85	176.79	32.00	10979.01	62.83	-62.87	-14.13	64.44	192.67	6.42	SlimPulse	0
122	11023.00	28.48	175.69	31.00	11006.47	77.19	-77.23	-13.18	78.34	189.69	5.52	SlimPulse	0
123	11055.00	30.54	175.05	32.00	11034.32	92.91	-92.94	-11.91	93.7	187.30	6.53	SlimPulse	0
124	11087.00	34.19	174.82	32.00	11061.34	109.97	-110.00	-10.39	110.49	185.40	11.40	SlimPulse	0
125	11119.00	38.50	175.29	32.00	11087.11	128.87	-128.89	-8.76	128.19	183.89	13.48	SlimPulse	0
126	11150.00	42.10	176.73	31.00	11110.75	148.87	-148.89	-7.38	149.07	182.84	12.01	SlimPulse	0
127	11182.00	44.69	178.22	32.00	11134.00	170.83	-170.85	-6.42	170.97	182.15	8.70	SlimPulse	0
128	11214.00	46.73	179.27	32.00	11156.34	193.73	-193.75	-5.92	193.84	181.75	6.81	SlimPulse	0
129	11246.00	48.91	179.58	32.00	11177.83	217.44	-217.46	-5.68	217.53	181.50	6.85	SlimPulse	0
130	11277.00	53.12	180.35	31.00	11197.32	241.54	-241.55	-5.67	241.62	181.35	13.72	SlimPulse	0
131	11309.00	57.75	180.63	32.00	11215.47	267.88	-267.90	-5.90	267.96	181.26	14.49	SlimPulse	0
132	11341.00	60.61	181.09	32.00	11231.86	295.35	-295.37	-6.31	295.44	181.22	8.99	SlimPulse	0
133	11372.00	62.11	181.12	31.00	11246.72	322.55	-322.57	-6.84	322.64	181.21	4.84	SlimPulse	0
134	11403.00	64.46	181.27	31.00	11260.66	350.23	-350.25	-7.42	350.33	181.21	7.60	SlimPulse	0
135	11435.00	68.96	181.27	32.00	11273.31	379.61	-379.63	-8.07	379.72	181.22	14.06	SlimPulse	0
136	11467.00	74.36	180.88	32.00	11283.38	409.97	-409.99	-8.64	410.08	181.21	16.91	SlimPulse	0
137	11499.00	79.45	180.24	32.00	11290.63	441.12	-441.14	-8.94	441.24	181.16	16.05	SlimPulse	0
138	11530.00	80.67	178.28	31.00	11295.97	471.65	-471.68	-8.54	471.75	181.04	7.37	SlimPulse	0
139	11561.00	82.83	177.76	31.00	11300.42	502.31	-502.33	-7.48	502.39	180.85	7.15	SlimPulse	0
140	11594.00	87.21	177.34	33.00	11303.29	535.15	-535.17	-6.08	535.21	180.65	13.34	SlimPulse	0
141	11626.00	88.18	177.47	32.00	11304.57	567.10	-567.11	-4.63	567.13	180.47	3.04	SlimPulse	0
142	11657.00	88.32	176.98	31.00	11305.52	598.05	-598.06	-3.13	598.07	180.30	1.64	SlimPulse	0
143	11703.00	88.76	176.09	46.00	11306.69	643.96	-643.96	-0.35	643.96	180.03	2.16	SlimPulse	2
144	11735.00	88.21	176.34	32.00	11307.54	675.88	-675.88	1.76	675.88	179.85	1.89	SlimPulse	2
145	11760.00	88.07	176.06	25.00	11308.35	700.82	-700.81	3.41	700.82	179.72	1.25	SlimPulse	2
146	11793.00	88.45	176.74	33.00	11309.35	733.74	-733.73	5.48	733.75	179.57	2.36	SlimPulse	2
147	11825.00	88.31	175.67	32.00	11310.26	765.67	-765.65	7.60	765.69	179.43	3.37	SlimPulse	2
148	11856.00	88.38	175.28	31.00	11311.15	796.56	-796.54	10.05	796.6	179.28	1.28	SlimPulse	2
149	11950.00	88.35	174.76	94.00	11313.84	890.19	-890.15	18.20	890.33	178.83	0.55	SlimPulse	2
150	12045.00	88.73	175.97	95.00	11316.26	984.87	-984.80	25.88	985.14	178.49	1.33	SlimPulse	2
151	12140.00	88.90	176.53	95.00	11318.22	1079.66	-1079.58	32.09	1080.06	178.30	0.62	SlimPulse	2
152	12235.00	88.90	178.10	95.00	11320.05	1174.54	-1174.45	36.54	1175.02	178.22	1.65	SlimPulse	2
153	12330.00	89.24	179.56	95.00	11321.59	1269.51	-1269.42	38.48	1270	178.26	1.58	SlimPulse	2
154	12425.00	89.03	180.93	95.00	11323.02	1364.50	-1364.40	38.07	1364.94	178.40	1.46	SlimPulse	2
155	12521.00	89.21	182.26	96.00	11324.50	1460.44	-1460.35	35.40	1460.78	178.61	1.40	SlimPulse	2
156	12616.00	89.17	184.27	95.00	11325.84	1555.26	-1555.19	29.99	1555.47	178.90	2.12	SlimPulse	2
157	12711.00	89.89	184.72	95.00	11326.62	1649.94	-1649.89	22.55	1650.04	179.22	0.89	SlimPulse	2
158	12807.00	89.52	183.67	96.00	11327.11	1745.66	-1745.63	15.52	1745.7	179.49	1.16	SlimPulse	2
159	12902.00	89.55	183.47	95.00	11327.88	1840.46	-1840.44	9.61	1840.47	179.70	0.21	SlimPulse	2
160	12998.00	89.14	182.52	96.00	11328.98	1936.31	-1936.30	4.59	1936.31	179.86	1.08	SlimPulse	2
161	13094.00	89.45	181.10	96.00	11330.16	2032.24	-2032.25	1.56	2032.25	179.95	1.51	SlimPulse	2
162	13189.00	89.45	179.56	95.00	11331.07	2127.23	-2127.24	1.01	2127.24	179.97	1.62	SlimPulse	2
163	13285.00	89.38	178.59	96.00	11332.05	2223.22	-2223.22	2.56	2223.22	179.93	1.01	SlimPulse	2
164	13381.00	89.24	177.09	96.00	11333.21	2319.15	-2319.14	6.18	2319.15	179.85	1.57	SlimPulse	2
165	13477.00	89.10	175.93	96.00	11334.60	2414.97	-2414.95	12.02	2414.98	179.71	1.22	SlimPulse	2
166	13572.00	89.17	177.45	95.00	11336.04	2509.81	-2509.78	17.51	2509.84	179.60	1.60	SlimPulse	2
167	13668.00	89.17	179.14	96.00	11337.43	2605.77	-2605.72	20.36	2605.8	179.5			