

Results of Directional Survey

API number:	30-025-40889		
OGRID:		Operator:	GMT EXPLORATION COMPANY LLC
		Property:	ASADERO STATE COM # 1H

surface	ULSTR:	U	03	T 21S	R 34E
				200 FSL	380 FWL

7912

BH Loc	ULSTR:	E	03	T 21S	R 34E
16585 MD		10832.1	TVD	1658 FNL	328 FWL
				6254 FSL	

Top Perf/OH	ULSTR:	U	03	T 21S	R 34E
11150 MD		10750.6	TVD	824 FSL	342 FWL

Bot Perf/OH	ULSTR:	E	03	T 21S	R 34E
16453 MD		10824.2	TVD	1790 FNL	326 FWL
				6122 FSL	

	MD	N/S	E/W	VD
	11121	595.48	-37.76	10750.68
TOP PERFS/OH	11150	624.48	-37.94	10750.55
	11152	626.48	-37.95	10750.54
	16404	5873.44	-55.03	10820.97
BOT PERFS/OH	16453	5922.33	-54.09	10824.15
	16500	5969.22	-53.19	10827.20

NEXT TO LAST	16522	5991.18	-52.77	10828.46
LAST READING	16585	6054.06	-51.71	10832.10
TD	16585	6054.06	-51.71	10832.10

Surface Location	200	FS	380	FW
Projected BHL	6254	FS	328	FW
Location of				
Top Perfs/OH	824	FS	342	FW
Bottom Perfs/OH	6122	FS	326	FW

SUMMARY of Subsurface Locations

Surface Location	U-03-21S-34E	200	FS	380	FW	Vert. Depth
Top Perfs/OH	U-03-21S-34E	824	FS	342	FW	10750.55
Bottom Perfs/OH	E-03-21S-34E	6122	FS	326	FW	10824.15
Projected TD	E-03-21S-34E	6254	FS	328	FW	10832.10

NOV 04 2013

Schlumberger

Reservoir Development

Drilling & Measurements (Anadrill)

4301 SW 44th St

Oklahoma City, Oklahoma 73119 USA

Phone: (405) 682-2284

Fax: (405) 682-3937

HOBBS, OK

October 16, 2013

NOV 01 2013

GMT Exploration Company, LLC

1560 Broadway, Suite 2000

RECEIVED

Denver, CO 80202

Re:

CLIENT: GMT Exploration Company, LLC

WELL: Asadero State Com 1H

FIELD: Grama Ridge; Bone Spring North

RIG: McVay 4

COUNTY: Lea New Mexico

API NO: 30-025-40889

JOB NO: 13MLD0542

S3-T21S-R34E 200 FSL 380 FWL

N 32.50125 W 103.46510

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>
Connor Ferguson MWD	Asadero State Com 1H Original Hole	9459.00 Ft to 10967.00 Ft	September 1, 2013 to September 6, 2013	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

Well Reference:

S3-T21S-R34E 200 FSL 380 FWL

N 32.50125 W 103.46510

I, Connor Ferguson certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of September 01, 2013 through September 6, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 9459.00 feet to a depth of 10967.00 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 Asadero State Com 1H Well (Original Hole) API No. 30-025-40889 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.

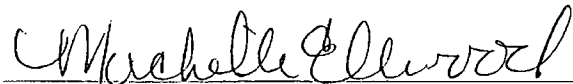
By
Connor Ferguson
MWD

 Olum Pozas on behalf of
Connor Ferguson

Subscribed and Sworn to before me this 11th day of October (month) 2013 (yr)

My Commission expires:

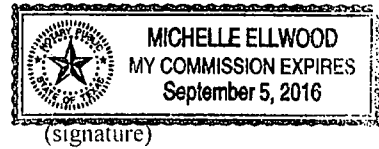
September 5, 2016



Notary Public

Midland, Texas

(County State)



SCHLUMBERGER
Survey Report

25-Oct-2013

Client..... GMT Exploration Company L
Field..... Grama Ridge ; Bone Spring

Well..... Asadero State Com 1H
API number..... 30-025-40889
Engineer..... Connor Ferguson

Spud date..... 29-Jul-13
Last survey date..... 6-Sep-13
Total accepted surveys... 17
MD of first survey..... 9459.00 ft
MD of last survey..... 10967.00 ft

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

Latitude..... 32° 30' 4.505" N
Longitude..... 103° 27' 54.371" 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..... 3694.00
KB above permanent..... 3712.00
DF above permanent..... 3712.00

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

Latitude (+N/-)..... 0.00 ft
Departure (+E/W-)..... 0.00 ft

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

NAD27 Texas State Plane, Central Zone, US Feet
X..... 809008.43 ft
Y..... 547175.78 ft

Azimuth from Vsect Origin to target: 359.51 degrees

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

-----Run1----- Calculation Date: 6-Aug-2013

Location G..... 998.94325 mgn Tolerance G...: 2.50 mgn
Location B..... 48547.88 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.3673 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 1-Sep-2013

Location G..... 998.94325 mgn Tolerance G...: 2.50 mgn
Location B..... 48538.71 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.3648 degrees Tolerance Dip: 0.45 degrees

-----Run3----- Calculation Date: 2-Sep-2013

Location G..... 998.94325 mgn Tolerance G...: 2.50 mgn
Location B..... 48538.36 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.3647 degrees Tolerance Dip: 0.45 degrees

-----Run4----- Calculation Date: 4-Sep-2013

Location G..... 998.94325 mgn Tolerance G...: 2.50 mgn
Location B..... 48537.66 nT Tolerance B...: 300.00 nT
Magnetic Dip: 60.3645 degrees Tolerance Dip: 0.45 degrees

BGGM Model: 2012

-----Run1-----

Magnetic dec (+E/W-)..... 7.4001 degrees
Grid Conv (+E/W-)..... 0.4701 degrees
Total Azim Corr (+E/W-)... 6.93 degrees

-----Run2-----

Magnetic dec (+E/W-)..... 7.3918 degrees
Grid Conv (+E/W-)..... 0.4618 degrees
Total Azim Corr (+E/W-)... 6.93 degrees

-----Run3-----

Magnetic dec (+E/W-)..... 7.3915 degrees
Grid Conv (+E/W-)..... 0.4715 degrees
Total Azim Corr (+E/W-)... 6.92 degrees

-----Run4-----

Magnetic dec (+E/W-)..... 7.3909 degrees
Grid Conv (+E/W-)..... 0.4709 degrees
Total Azim Corr (+E/W-)... 6.92 degrees

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

0 = Uncorrected 1 = Sag Corrected

2 = DMAG Corrected 3 = Sag + DMAG Corrected

===== Survey List =====													Tool	Correction
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)			
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	99.74	0.32	186.12	99.74	99.74	-0.28	-0.28	-0.03	0.28	186.12	0.32	GyroTool		0
3	124.03	0.38	173.58	24.29	124.03	-0.42	-0.42	-0.03	0.43	183.76	0.40	GyroTool		0
4	150.00	0.33	192.05	25.97	150.00	-0.58	-0.58	-0.03	0.58	183.33	0.48	GyroTool		0
5	174.96	0.37	183.31	24.96	174.96	-0.73	-0.73	-0.05	0.74	184.17	0.27	GyroTool		0
6	199.28	0.33	181.57	24.32	199.28	-0.88	-0.88	-0.06	0.88	183.89	0.17	GyroTool		0
7	224.46	0.42	171.70	25.18	224.46	-1.05	-1.05	-0.05	1.05	182.66	0.44	GyroTool		0
8	249.95	0.52	169.18	25.49	249.95	-1.25	-1.25	-0.01	1.25	180.62	0.40	GyroTool		0

9	273.45	0.53	167.91	23.50	273.45	-1.46	-1.46	0.03	1.46	178.85	0.07	GyroTool	0
10	299.13	0.64	167.05	25.68	299.12	-1.72	-1.72	0.09	1.72	177.13	0.43	GyroTool	0
11	324.73	0.81	158.74	25.60	324.72	-2.03	-2.03	0.18	2.04	174.81	0.78	GyroTool	0
12	349.19	0.72	160.22	24.46	349.18	-2.34	-2.33	0.30	2.35	172.70	0.38	GyroTool	0
13	373.15	0.64	161.47	23.96	373.14	-2.60	-2.60	0.39	2.63	171.43	0.34	GyroTool	0
14	398.40	0.73	160.41	25.25	398.39	-2.89	-2.89	0.49	2.93	170.35	0.36	GyroTool	0
15	423.58	0.67	164.68	25.18	423.56	-3.18	-3.18	0.58	3.23	169.60	0.32	GyroTool	0
16	449.16	0.72	164.02	25.58	449.14	-3.48	-3.48	0.67	3.54	169.14	0.20	GyroTool	0
17	474.45	0.77	164.92	25.29	474.43	-3.80	-3.80	0.76	3.87	168.74	0.20	GyroTool	0
18	498.68	0.77	168.75	24.23	498.66	-4.12	-4.11	0.83	4.19	168.60	0.21	GyroTool	0
19	524.41	0.81	164.01	25.73	524.39	-4.46	-4.46	0.91	4.55	168.42	0.30	GyroTool	0
20	548.55	0.81	162.41	24.14	548.52	-4.79	-4.78	1.01	4.89	168.06	0.09	GyroTool	0
21	574.75	0.74	165.57	26.20	574.72	-5.13	-5.12	1.11	5.24	167.78	0.31	GyroTool	0
22	598.88	0.85	160.34	24.13	598.85	-5.45	-5.44	1.21	5.58	167.48	0.55	GyroTool	0
23	623.89	0.78	161.46	25.01	623.86	-5.79	-5.78	1.33	5.93	167.08	0.29	GyroTool	0
24	649.16	0.75	162.65	25.27	649.12	-6.11	-6.10	1.43	6.27	166.81	0.13	GyroTool	0
25	673.79	0.76	157.74	24.63	673.75	-6.42	-6.41	1.54	6.59	166.49	0.27	GyroTool	0
26	698.52	0.66	168.17	24.73	698.48	-6.71	-6.70	1.63	6.89	166.31	0.66	GyroTool	0
27	724.15	0.73	168.44	25.63	724.11	-7.01	-7.00	1.69	7.2	166.40	0.27	GyroTool	0
28	747.90	0.80	162.76	23.75	747.86	-7.32	-7.31	1.77	7.52	166.36	0.43	GyroTool	0
29	773.44	0.56	162.69	25.54	773.39	-7.61	-7.60	1.86	7.82	166.22	0.94	GyroTool	0
30	799.10	0.44	166.56	25.66	799.05	-7.83	-7.81	1.92	8.05	166.17	0.49	GyroTool	0
31	822.51	0.51	161.99	23.41	822.46	-8.02	-8.00	1.98	8.24	166.12	0.34	GyroTool	0
32	849.16	0.46	157.35	26.65	849.11	-8.23	-8.21	2.05	8.46	165.95	0.24	GyroTool	0
33	873.67	0.45	155.12	24.51	873.62	-8.41	-8.39	2.13	8.66	165.73	0.08	GyroTool	0
34	899.15	0.49	155.51	25.48	899.10	-8.60	-8.58	2.22	8.86	165.49	0.16	GyroTool	0
35	923.85	0.37	161.70	24.70	923.80	-8.77	-8.75	2.29	9.04	165.34	0.52	GyroTool	0
36	948.39	0.42	160.95	24.54	948.34	-8.93	-8.91	2.34	9.21	165.27	0.20	GyroTool	0
37	974.64	0.41	159.36	26.25	974.59	-9.11	-9.09	2.41	9.4	165.16	0.06	GyroTool	0
38	998.46	0.41	162.96	23.82	998.41	-9.27	-9.25	2.46	9.57	165.09	0.11	GyroTool	0
39	1024.54	0.40	170.17	26.08	1024.49	-9.45	-9.43	2.51	9.76	165.12	0.20	GyroTool	0
40	1049.19	0.51	156.91	24.65	1049.14	-9.64	-9.62	2.56	9.95	165.07	0.61	GyroTool	0
41	1074.36	0.33	154.03	25.17	1074.30	-9.81	-9.78	2.64	10.13	164.90	0.72	GyroTool	0
42	1099.18	0.31	164.39	24.82	1099.12	-9.93	-9.91	2.69	10.27	164.83	0.25	GyroTool	0
43	1124.38	0.49	154.12	25.20	1124.32	-10.10	-10.07	2.75	10.44	164.71	0.77	GyroTool	0
44	1149.95	0.43	155.49	25.57	1149.89	-10.28	-10.26	2.84	10.65	164.52	0.24	GyroTool	0
45	1174.35	0.52	139.33	24.40	1174.29	-10.45	-10.43	2.95	10.84	164.20	0.66	GyroTool	0
46	1198.19	0.75	129.82	23.84	1198.13	-10.64	-10.61	3.14	11.07	163.51	1.06	GyroTool	0
47	1224.00	0.78	125.39	25.81	1223.94	-10.85	-10.82	3.41	11.35	162.48	0.26	GyroTool	0
48	1249.19	0.89	119.92	25.19	1249.13	-11.05	-11.02	3.72	11.63	161.32	0.54	GyroTool	0
49	1274.44	0.86	112.57	25.25	1274.37	-11.22	-11.19	4.07	11.9	160.01	0.46	GyroTool	0
50	1299.21	0.82	106.00	24.77	1299.14	-11.34	-11.31	4.41	12.14	158.69	0.42	GyroTool	0
51	1324.42	0.76	105.53	25.21	1324.35	-11.44	-11.40	4.75	12.35	157.40	0.24	GyroTool	0
52	1348.43	0.81	109.67	24.01	1348.36	-11.54	-11.50	5.06	12.56	156.26	0.31	GyroTool	0
53	1374.18	0.74	105.15	25.75	1374.10	-11.65	-11.61	5.39	12.8	155.09	0.36	GyroTool	0
54	1398.65	0.85	111.30	24.47	1398.57	-11.76	-11.71	5.71	13.03	154.00	0.57	GyroTool	0
55	1423.42	0.82	111.11	24.77	1423.34	-11.90	-11.84	6.05	13.3	152.95	0.12	GyroTool	0
56	1448.39	0.81	109.37	24.97	1448.31	-12.02	-11.97	6.38	13.56	151.93	0.11	GyroTool	0
57	1474.02	0.86	112.36	25.63	1473.93	-12.16	-12.10	6.73	13.85	150.92	0.26	GyroTool	0
58	1499.41	0.79	110.74	25.39	1499.32	-12.29	-12.23	7.07	14.13	149.98	0.29	GyroTool	0
59	1524.16	0.85	106.33	24.75	1524.07	-12.41	-12.35	7.41	14.4	149.04	0.35	GyroTool	0
60	1549.98	0.73	106.58	25.82	1549.89	-12.51	-12.45	7.75	14.66	148.10	0.46	GyroTool	0
61	1573.52	0.76	104.66	23.54	1573.42	-12.60	-12.53	8.04	14.89	147.30	0.17	GyroTool	0
62	1598.39	0.81	116.73	24.87	1598.29	-12.72	-12.65	8.36	15.16	146.54	0.69	GyroTool	0
63	1623.19	0.65	115.24	24.80	1623.09	-12.86	-12.79	8.64	15.44	145.95	0.65	GyroTool	0
64	1649.46	0.49	131.25	26.27	1649.36	-13.00	-12.93	8.86	15.67	145.57	0.85	GyroTool	0
65	1673.45	0.55	139.42	23.99	1673.35	-13.16	-13.08	9.01	15.89	145.43	0.40	GyroTool	0
66	1699.06	0.58	142.75	25.61	1698.96	-13.36	-13.28	9.17	16.14	145.36	0.17	GyroTool	0
67	1723.41	0.63	142.44	24.35	1723.30	-13.56	-13.48	9.33	16.4	145.32	0.21	GyroTool	0
68	1749.87	0.59	141.65	26.46	1749.76	-13.79	-13.71	9.50	16.68	145.27	0.15	GyroTool	0
69	1774.63	0.60	141.13	24.76	1774.52	-13.99	-13.91	9.66	16.93	145.21	0.05	GyroTool	0
70	1797.69	0.46	146.15	23.06	1797.58	-14.16	-14.08	9.79	17.15	145.18	0.64	GyroTool	0
71	1824.16	0.23	125.70	26.47	1824.05	-14.28	-14.20	9.89	17.3	145.13	0.97	GyroTool	0
72	1848.88	0.10	141.00	24.72	1848.77	-14.33	-14.24	9.95	17.37	145.07	0.55	GyroTool	0
73	1874.19	0.06	76.44	25.31	1874.08	-14.34	-14.26	9.97	17.4	145.03	0.36	GyroTool	0
74	1899.03	0.05	62.24	24.84	1898.92	-14.33	-14.25	10.00	17.4	144.95	0.07	GyroTool	0
75	1924.34	0.07	68.67	25.31	1924.23	-14.32	-14.24	10.02	17.41	144.86	0.08	GyroTool	0
76	1949.16	0.03	21.65	24.82	1949.05	-14.31	-14.23	10.04	17.41	144.80	0.22	GyroTool	0
77	1974.40	0.06	5.09	25.24	1974.29	-14.29	-14.21	10.04	17.4	144.75	0.13	GyroTool	0
78	1999.15	0.05	9.44	24.75	1999.04	-14.27	-14.18	10.04	17.38	144.70	0.04	GyroTool	0
79	2024.41	0.04	358.75	25.26	2024.30	-14.25	-14.16	10.04	17.36	144.66	0.05	GyroTool	0
80	2049.12	0.02	40.41	24.71	2049.01	-14.24	-14.15	10.05	17.35	144.63	0.11	GyroTool	0
81	2074.42	0.03	54.40	25.30	2074.31	-14.23	-14.14	10.05	17.35	144.59	0.05	GyroTool	0
82	2099.88	0.08	330.24	25.46	2099.77	-14.21	-14.12	10.05	17.34	144.56	0.32	GyroTool	0
83	2124.16	0.04	341.59	24.28	2124.05	-14.19	-14.10	10.04	17.31	144.55	0.17	GyroTool	0
84	2149.86	0.02	38.44	25.70	2149.75	-14.17	-14.09	10.04	17.3	144.53	0.13	GyroTool	0
85	2174.62	0.09	201.24	24.76	2174.51	-14.19	-14.10	10.04	17.31	144.57	0.44	GyroTool	0
86	2198.92	0.05	95.97	24.30	2198.81	-14.21	-14.12	10.04	17.33	144.59	0.47	GyroTool	0
87	2224.26	0.10	303.09	25.34	2224.15	-14.20	-14.11	10.03	17.31	144.59	0.58	GyroTool	0
88	2249.16	0.10	173.85	24.90	2249.05	-14.21	-14.12	10.02	17.31	144.65	0.73	GyroTool	0
89	2274.11	0.07	319.36	24.95	2274.00	-14.22	-14.13	10.01	17.32	144.69	0.65	GyroTool	0
90	2298.07	0.09	290.45	23.96	2297.96	-14.20	-14.11	9.98	17.29	144.73	0.19	GyroTool	0
91	2324.27	0.08	281.34	26.20	2324.16	-14.19	-14.10	9.94	17.26	144.81	0.06	GyroTool	0
92	2349.16	0.03	298.04	24.89	2349.05	-14.18	-14.10	9.92	17.24	144.86	0.21	GyroTool	0
93	2374.85	0.07	314.84	25.69	2374.74	-14.17	-14.08	9.90	17.22	144.88	0.16	GyroTool	0
94	2398.42	0.05	336.46	23.57	2398.31	-14.15	-14.06	9.89	17.19	144.88	0.13	GyroTool	0
95	2423.25	0.05	95.34	24.83	2423.14	-14.14	-14.05	9.90	17.19	144.85	0.35	GyroTool	0
96	2449.49	0.01	26.81	26.24	2449.38	-14.14	-14.05	9.91	17.2	144.81	0.18	GyroTool	0
97	2473.38	0.03	50.99	23.89	2473.27	-14.13	-14.05	9.91	17.19	144.79	0.09	GyroTool	0
98	2499.14	0.05	60.94	25.76	2499.03	-14.12	-14.04	9.93	17.19	144.73	0.08	GyroTool	0
99	2524.38	0.15	72.62	25.24	2524.27	-14.11	-14.02	9.97	17.21	144.59			

114	2899.23	0.06	322.19	26.21	2899.12	-14.06	-13.98	10.28	17.35	143.65	0.37	GyroTool	0
115	2924.10	0.02	329.17	24.87	2923.99	-14.05	-13.96	10.27	17.34	143.65	0.16	GyroTool	0
116	2948.94	0.10	310.23	24.84	2948.83	-14.03	-13.94	10.26	17.31	143.67	0.33	GyroTool	0
117	2973.42	0.11	93.54	24.48	2973.31	-14.02	-13.93	10.26	17.3	143.62	0.81	GyroTool	0
118	2999.18	0.03	1.82	25.76	2999.07	-14.01	-13.93	10.29	17.31	143.55	0.45	GyroTool	0
119	3024.41	0.07	102.28	25.23	3024.30	-14.01	-13.92	10.30	17.32	143.50	0.32	GyroTool	0
120	3048.40	0.03	74.62	23.99	3048.29	-14.01	-13.93	10.32	17.33	143.45	0.19	GyroTool	0
121	3073.52	0.09	179.15	25.12	3073.41	-14.03	-13.94	10.33	17.35	143.47	0.41	GyroTool	0
122	3099.16	0.07	234.89	25.64	3099.05	-14.06	-13.97	10.32	17.37	143.56	0.30	GyroTool	0
123	3124.21	0.12	301.54	25.05	3124.10	-14.05	-13.97	10.28	17.34	143.64	0.45	GyroTool	0
124	3149.94	0.03	330.24	25.73	3149.83	-14.03	-13.95	10.26	17.31	143.67	0.37	GyroTool	0
125	3173.40	0.01	3.48	23.46	3173.29	-14.03	-13.94	10.25	17.3	143.66	0.10	GyroTool	0
126	3198.99	0.05	33.08	25.59	3198.88	-14.01	-13.93	10.26	17.3	143.62	0.16	GyroTool	0
127	3224.22	0.01	18.60	25.23	3224.11	-14.00	-13.92	10.27	17.29	143.58	0.16	GyroTool	0
128	3249.57	0.01	4.95	25.35	3249.46	-14.00	-13.91	10.27	17.29	143.57	0.01	GyroTool	0
129	3273.40	0.07	172.96	23.83	3273.29	-14.01	-13.93	10.27	17.3	143.59	0.33	GyroTool	0
130	3298.93	0.02	282.76	25.53	3298.82	-14.03	-13.94	10.27	17.31	143.63	0.31	GyroTool	0
131	3324.22	0.03	357.43	25.29	3324.11	-14.02	-13.93	10.26	17.3	143.62	0.12	GyroTool	0
132	3349.40	0.07	0.37	25.18	3349.29	-14.00	-13.91	10.26	17.29	143.58	0.16	GyroTool	0
133	3374.40	0.08	29.44	25.00	3374.29	-13.97	-13.88	10.27	17.27	143.50	0.16	GyroTool	0
134	3397.39	0.07	93.87	22.99	3397.28	-13.95	-13.87	10.29	17.27	143.42	0.35	GyroTool	0
135	3423.74	0.01	304.52	26.35	3423.63	-13.95	-13.87	10.31	17.28	143.38	0.30	GyroTool	0
136	3448.11	0.03	105.81	24.37	3448.00	-13.95	-13.87	10.31	17.28	143.37	0.16	GyroTool	0
137	3474.16	0.07	321.00	26.05	3474.05	-13.94	-13.86	10.31	17.27	143.35	0.37	GyroTool	0
138	3498.36	0.13	332.84	24.20	3498.25	-13.91	-13.82	10.29	17.23	143.34	0.26	GyroTool	0
139	3524.00	0.07	11.94	25.64	3523.89	-13.87	-13.78	10.28	17.19	143.29	0.34	GyroTool	0
140	3547.96	0.02	353.25	23.96	3547.85	-13.85	-13.76	10.28	17.18	143.24	0.21	GyroTool	0
141	3574.06	0.03	345.05	26.10	3573.95	-13.84	-13.75	10.28	17.17	143.23	0.04	GyroTool	0
142	3599.27	0.05	159.75	25.21	3599.16	-13.84	-13.75	10.28	17.17	143.23	0.32	GyroTool	0
143	3624.75	0.07	317.63	25.48	3624.64	-13.84	-13.75	10.27	17.17	143.24	0.46	GyroTool	0
144	3649.31	0.06	101.64	24.56	3649.20	-13.83	-13.74	10.27	17.16	143.22	0.50	GyroTool	0
145	3674.68	0.05	36.11	25.37	3674.57	-13.82	-13.74	10.29	17.17	143.16	0.24	GyroTool	0
146	3699.23	0.02	20.31	24.55	3699.12	-13.81	-13.73	10.30	17.16	143.11	0.13	GyroTool	0
147	3724.01	0.06	142.16	24.78	3723.90	-13.82	-13.73	10.31	17.17	143.10	0.29	GyroTool	0
148	3748.25	0.04	311.44	24.24	3748.14	-13.82	-13.74	10.31	17.18	143.10	0.41	GyroTool	0
149	3774.48	0.05	324.41	26.23	3774.37	-13.81	-13.72	10.30	17.16	143.11	0.05	GyroTool	0
150	3799.03	0.03	45.89	24.55	3798.92	-13.79	-13.71	10.30	17.14	143.09	0.22	GyroTool	0
151	3824.22	0.04	63.22	25.19	3824.11	-13.79	-13.70	10.31	17.14	143.03	0.06	GyroTool	0
152	3849.03	0.05	326.73	24.81	3848.92	-13.77	-13.69	10.31	17.14	143.00	0.27	GyroTool	0
153	3873.85	0.07	227.31	24.82	3873.74	-13.77	-13.69	10.29	17.13	143.05	0.37	GyroTool	0
154	3899.22	0.08	329.73	25.37	3899.11	-13.77	-13.68	10.27	17.11	143.10	0.46	GyroTool	0
155	3924.24	0.07	67.58	25.02	3924.13	-13.75	-13.66	10.28	17.1	143.04	0.45	GyroTool	0
156	3949.16	0.04	65.50	24.92	3949.05	-13.74	-13.65	10.30	17.1	142.96	0.12	GyroTool	0
157	3973.50	0.03	330.59	24.34	3973.39	-13.73	-13.64	10.31	17.1	142.93	0.21	GyroTool	0
158	3998.86	0.06	259.51	25.36	3998.75	-13.73	-13.64	10.29	17.09	142.97	0.23	GyroTool	0
159	4024.10	0.08	330.71	25.24	4023.99	-13.71	-13.63	10.27	17.06	143.00	0.33	GyroTool	0
160	4049.23	0.03	150.86	25.13	4049.12	-13.70	-13.62	10.26	17.05	143.00	0.44	GyroTool	0
161	4073.50	0.05	5.67	24.27	4073.39	-13.70	-13.61	10.27	17.05	142.97	0.32	GyroTool	0
162	4099.49	0.04	114.64	25.99	4099.38	-13.69	-13.60	10.28	17.05	142.93	0.28	GyroTool	0
163	4124.05	0.06	255.55	24.56	4123.94	-13.70	-13.61	10.27	17.05	142.96	0.38	GyroTool	0
164	4149.77	0.05	299.70	25.72	4149.66	-13.70	-13.61	10.25	17.04	143.02	0.16	GyroTool	0
165	4172.50	0.06	340.29	22.73	4172.39	-13.68	-13.59	10.24	17.02	143.02	0.17	GyroTool	0
166	4199.74	0.04	75.10	27.24	4199.63	-13.66	-13.58	10.24	17.01	142.97	0.27	GyroTool	0
167	4224.24	0.05	96.85	24.50	4224.13	-13.66	-13.58	10.26	17.02	142.92	0.08	GyroTool	0
168	4248.80	0.07	276.28	24.56	4248.69	-13.66	-13.58	10.26	17.01	142.93	0.49	GyroTool	0
169	4274.50	0.06	307.22	25.70	4274.39	-13.65	-13.57	10.23	16.99	142.98	0.14	GyroTool	0
170	4299.93	0.05	341.25	25.43	4299.82	-13.63	-13.55	10.21	16.97	142.98	0.13	GyroTool	0
171	4323.48	0.03	341.16	23.55	4323.37	-13.62	-13.53	10.21	16.95	142.97	0.08	GyroTool	0
172	4349.65	0.10	143.79	26.17	4349.54	-13.63	-13.54	10.22	16.97	142.96	0.49	GyroTool	0
173	4374.13	0.10	284.20	24.48	4374.02	-13.64	-13.56	10.21	16.97	143.01	0.77	GyroTool	0
174	4398.45	0.09	272.20	24.32	4398.34	-13.64	-13.55	10.17	16.94	143.10	0.09	GyroTool	0
175	4423.05	0.01	17.53	24.60	4422.94	-13.63	-13.55	10.15	16.93	143.15	0.38	GyroTool	0
176	4449.13	0.05	35.47	26.08	4449.02	-13.62	-13.54	10.16	16.93	143.10	0.16	GyroTool	0
177	4474.15	0.02	316.21	25.02	4474.04	-13.61	-13.52	10.16	16.92	143.07	0.20	GyroTool	0
178	4499.15	0.19	281.94	25.00	4499.04	-13.60	-13.51	10.12	16.88	143.16	0.70	GyroTool	0
179	4524.04	0.09	279.02	24.89	4523.93	-13.58	-13.50	10.06	16.84	143.30	0.40	GyroTool	0
180	4549.86	0.06	112.00	25.82	4549.75	-13.59	-13.50	10.05	16.83	143.33	0.58	GyroTool	0
181	4574.25	0.03	345.67	24.39	4574.14	-13.59	-13.50	10.06	16.84	143.30	0.33	GyroTool	0
182	4599.23	0.05	150.37	24.98	4599.12	-13.59	-13.50	10.07	16.84	143.29	0.32	GyroTool	0
183	4624.41	0.07	224.24	25.18	4624.30	-13.61	-13.52	10.06	16.86	143.35	0.29	GyroTool	0
184	4648.14	0.06	253.42	23.73	4648.03	-13.62	-13.54	10.04	16.86	143.44	0.14	GyroTool	0
185	4674.48	0.02	34.60	26.34	4674.37	-13.62	-13.54	10.03	16.85	143.47	0.29	GyroTool	0
186	4699.15	0.12	49.85	24.67	4699.04	-13.60	-13.52	10.05	16.85	143.36	0.41	GyroTool	0
187	4723.24	0.04	333.59	24.09	4723.13	-13.58	-13.49	10.07	16.84	143.27	0.49	GyroTool	0
188	4749.18	0.06	211.49	25.94	4749.07	-13.58	-13.50	10.06	16.83	143.31	0.34	GyroTool	0
189	4774.19	0.06	208.73	25.01	4774.08	-13.61	-13.52	10.04	16.84	143.39	0.01	GyroTool	0
190	4799.19	0.03	351.62	25.00	4799.08	-13.61	-13.53	10.04	16.84	143.42	0.34	GyroTool	0
191	4824.92	0.09	119.46	25.73	4824.81	-13.61	-13.53	10.05	16.86	143.38	0.43	GyroTool	0
192	4849.09	0.06	135.83	24.17	4848.98	-13.63	-13.55	10.08	16.88	143.35	0.15	GyroTool	0
193	4874.52	0.10	182.15	25.43	4874.41	-13.66	-13.58	10.09	16.92	143.39	0.29	GyroTool	0
194	4899.17	0.08	190.91	24.65	4899.06	-13.70	-13.62	10.08	16.94	143.48	0.10	GyroTool	0
195	4924.85	0.04	330.03	25.68	4924.74	-13.71	-13.63	10.07	16.95	143.52	0.44	GyroTool	0
196	4948.47	0.03	69.35	23.62	4948.36	-13.70	-13.62	10.08	16.94	143.50	0.23	GyroTool	0
197	4974.21	0.08	144.52	25.74	4974.10	-13.72	-13.63	10.09	16.96	143.48	0.30	GyroTool	0
198	4999.98	0.18	161.41	25.77	4999.87	-13.77	-13.68	10.12	17.02	143.52	0.41	GyroTool	0
199	5023.48	0.04	162.57	23.50	5023.37	-13.81	-13.73	10.13	17.06	143.57	0.60	GyroTool	0
200	5048.48	0.09	134.35	25.00	5048.37	-13.83	-13.75	10.15	17.09	143.57	0.23	GyroTool	0
201	5073.44	0.08	324.23	24.96	5073.33	-13.83	-13.75	10.15	17.09	143.56	0.68	GyroTool	0
202	5098.05	0.05	149.74	24.61	5097.94	-13.83							

219	5524.00	0.07	89.86	25.75	5523.89	-14.08	-14.00	10.46	17.47	143.23	0.19	GyroTool	0
220	5549.24	0.21	109.75	25.24	5549.13	-14.10	-14.01	10.52	17.52	143.11	0.58	GyroTool	0
221	5574.88	0.22	114.01	25.64	5574.77	-14.14	-14.05	10.61	17.6	142.95	0.07	GyroTool	0
222	5599.02	0.20	122.23	24.14	5598.91	-14.18	-14.09	10.68	17.68	142.83	0.15	GyroTool	0
223	5624.56	0.14	123.38	25.54	5624.45	-14.22	-14.13	10.75	17.75	142.74	0.24	GyroTool	0
224	5649.42	0.24	130.01	24.86	5649.31	-14.27	-14.18	10.81	17.83	142.67	0.41	GyroTool	0
225	5674.51	0.12	117.18	25.09	5674.40	-14.32	-14.23	10.88	17.91	142.60	0.50	GyroTool	0
226	5699.04	0.12	103.91	24.53	5698.93	-14.34	-14.24	10.92	17.95	142.51	0.11	GyroTool	0
227	5724.62	0.18	122.14	25.58	5724.51	-14.36	-14.27	10.98	18.01	142.42	0.30	GyroTool	0
228	5749.16	0.12	103.17	24.54	5749.05	-14.39	-14.30	11.04	18.06	142.32	0.31	GyroTool	0
229	5774.21	0.30	132.55	25.05	5774.10	-14.44	-14.35	11.12	18.15	142.24	0.81	GyroTool	0
230	5799.36	0.20	137.14	25.15	5799.25	-14.52	-14.42	11.19	18.26	142.19	0.41	GyroTool	0
231	5824.24	0.26	154.79	24.88	5824.13	-14.60	-14.51	11.25	18.36	142.22	0.37	GyroTool	0
232	5849.48	0.26	156.42	25.24	5849.37	-14.71	-14.61	11.29	18.47	142.30	0.03	GyroTool	0
233	5874.20	0.22	153.43	24.72	5874.09	-14.80	-14.71	11.34	18.57	142.37	0.17	GyroTool	0
234	5898.48	0.24	156.70	24.28	5898.36	-14.89	-14.79	11.38	18.66	142.43	0.10	GyroTool	0
235	5924.52	0.18	161.59	26.04	5924.40	-14.98	-14.88	11.41	18.76	142.52	0.24	GyroTool	0
236	5948.47	0.16	287.59	23.95	5948.35	-15.00	-14.91	11.39	18.76	142.61	1.27	GyroTool	0
237	5974.87	0.13	119.35	26.40	5974.75	-15.01	-14.91	11.38	18.76	142.64	1.09	GyroTool	0
238	5998.21	0.13	134.64	23.34	5998.09	-15.04	-14.94	11.43	18.81	142.60	0.15	GyroTool	0
239	6023.61	0.07	294.37	25.40	6023.49	-15.05	-14.96	11.43	18.83	142.61	0.78	GyroTool	0
240	6048.47	0.10	119.94	24.86	6048.35	-15.06	-14.96	11.44	18.83	142.60	0.68	GyroTool	0
241	6074.87	0.04	82.46	26.40	6074.75	-15.07	-14.97	11.47	18.86	142.55	0.27	GyroTool	0
242	6099.51	0.03	66.43	24.64	6099.39	-15.07	-14.97	11.48	18.86	142.51	0.06	GyroTool	0
243	6122.26	0.18	138.09	22.75	6122.14	-15.09	-14.99	11.51	18.9	142.49	0.76	GyroTool	0
244	6149.75	0.07	137.27	27.49	6149.63	-15.13	-15.04	11.55	18.96	142.47	0.40	GyroTool	0
245	6174.19	0.14	160.77	24.44	6174.07	-15.17	-15.08	11.57	19	142.49	0.33	GyroTool	0
246	6199.85	0.13	297.24	25.66	6199.73	-15.19	-15.09	11.56	19.01	142.56	0.98	GyroTool	0
247	6223.96	0.35	327.62	24.11	6223.84	-15.12	-15.02	11.49	18.91	142.58	1.02	GyroTool	0
248	6249.37	0.27	333.26	25.41	6249.25	-15.00	-14.90	11.42	18.77	142.52	0.34	GyroTool	0
249	6274.38	0.31	342.32	25.01	6274.26	-14.88	-14.78	11.38	18.65	142.42	0.24	GyroTool	0
250	6299.19	0.35	336.60	24.81	6299.07	-14.74	-14.65	11.33	18.52	142.29	0.21	GyroTool	0
251	6324.40	0.47	349.38	25.21	6324.28	-14.57	-14.48	11.28	18.35	142.08	0.60	GyroTool	0
252	6349.44	0.64	347.13	25.04	6349.32	-14.33	-14.24	11.23	18.13	141.75	0.68	GyroTool	0
253	6374.57	0.63	347.15	25.13	6374.45	-14.06	-13.97	11.16	17.88	141.37	0.04	GyroTool	0
254	6398.47	0.66	353.65	23.90	6398.35	-13.80	-13.70	11.12	17.65	140.94	0.33	GyroTool	0
255	6424.17	0.72	349.17	25.70	6424.05	-13.49	-13.40	11.07	17.38	140.43	0.31	GyroTool	0
256	6448.18	0.69	353.11	24.01	6448.05	-13.20	-13.11	11.03	17.13	139.92	0.24	GyroTool	0
257	6474.19	0.74	351.79	26.01	6474.06	-12.88	-12.78	10.98	16.85	139.33	0.20	GyroTool	0
258	6498.43	0.82	346.57	24.24	6498.30	-12.55	-12.46	10.92	16.57	138.76	0.44	GyroTool	0
259	6523.87	0.70	352.66	25.44	6523.74	-12.22	-12.13	10.86	16.28	138.16	0.57	GyroTool	0
260	6548.86	0.82	348.85	24.99	6548.73	-11.89	-11.80	10.81	16	137.52	0.52	GyroTool	0
261	6574.06	0.89	346.38	25.20	6573.92	-11.53	-11.43	10.72	15.68	136.84	0.31	GyroTool	0
262	6599.10	0.82	347.44	25.04	6598.96	-11.16	-11.07	10.64	15.35	136.14	0.29	GyroTool	0
263	6623.20	0.91	344.23	24.10	6623.06	-10.81	-10.72	10.55	15.04	135.45	0.42	GyroTool	0
264	6649.20	0.89	347.09	26.00	6649.05	-10.41	-10.32	10.45	14.69	134.65	0.19	GyroTool	0
265	6673.69	0.88	346.07	24.49	6673.54	-10.04	-9.95	10.36	14.37	133.85	0.08	GyroTool	0
266	6699.49	0.94	344.82	25.80	6699.34	-9.64	-9.56	10.26	14.02	132.98	0.24	GyroTool	0
267	6724.08	0.96	343.42	24.59	6723.92	-9.25	-9.17	10.15	13.67	132.09	0.12	GyroTool	0
268	6749.62	0.92	344.87	25.54	6749.46	-8.85	-8.76	10.03	13.32	131.14	0.18	GyroTool	0
269	6774.08	0.99	343.72	24.46	6773.92	-8.45	-8.37	9.92	12.98	130.16	0.30	GyroTool	0
270	6799.85	0.91	348.44	25.77	6799.68	-8.04	-7.96	9.82	12.64	129.02	0.43	GyroTool	0
271	6824.24	0.94	342.00	24.39	6824.07	-7.66	-7.58	9.72	12.32	127.94	0.44	GyroTool	0
272	6849.22	0.82	345.07	24.98	6849.05	-7.29	-7.21	9.61	12.01	126.88	0.52	GyroTool	0
273	6874.50	0.86	349.79	25.28	6874.33	-6.93	-6.85	9.53	11.73	125.70	0.32	GyroTool	0
274	6897.49	0.88	334.97	22.99	6897.31	-6.60	-6.52	9.42	11.46	124.67	0.98	GyroTool	0
275	6924.96	0.81	341.34	27.47	6924.78	-6.22	-6.14	9.27	11.12	123.53	0.43	GyroTool	0
276	6949.96	0.76	342.18	25.00	6949.78	-5.89	-5.82	9.16	10.85	122.41	0.21	GyroTool	0
277	6974.21	0.85	335.06	24.25	6974.03	-5.58	-5.50	9.04	10.58	121.33	0.55	GyroTool	0
278	6999.25	0.73	341.10	25.04	6999.06	-5.26	-5.18	8.91	10.31	120.19	0.58	GyroTool	0
279	7024.49	0.78	339.32	25.24	7024.30	-4.94	-4.87	8.80	10.05	118.97	0.22	GyroTool	0
280	7049.60	0.70	337.63	25.11	7049.41	-4.64	-4.57	8.68	9.81	117.76	0.33	GyroTool	0
281	7073.21	0.77	337.14	23.61	7073.02	-4.36	-4.29	8.56	9.57	116.60	0.30	GyroTool	0
282	7098.42	0.73	341.57	25.21	7098.22	-4.05	-3.98	8.44	9.33	115.23	0.28	GyroTool	0
283	7124.40	0.67	337.21	25.98	7124.20	-3.75	-3.68	8.33	9.11	113.84	0.31	GyroTool	0
284	7149.02	0.66	343.16	24.62	7148.82	-3.48	-3.41	8.24	8.92	112.51	0.28	GyroTool	0
285	7174.85	0.72	336.50	25.83	7174.65	-3.19	-3.12	8.13	8.71	111.01	0.39	GyroTool	0
286	7199.19	0.63	330.31	24.34	7198.99	-2.93	-2.87	8.00	8.5	109.71	0.48	GyroTool	0
287	7223.46	0.58	327.61	24.27	7223.26	-2.71	-2.65	7.87	8.3	108.59	0.24	GyroTool	0
288	7249.47	0.57	325.57	26.01	7249.26	-2.49	-2.43	7.73	8.1	107.45	0.09	GyroTool	0
289	7274.69	0.49	320.91	25.22	7274.48	-2.31	-2.24	7.59	7.91	106.46	0.36	GyroTool	0
290	7299.81	0.55	319.56	25.12	7299.60	-2.13	-2.07	7.44	7.72	105.52	0.24	GyroTool	0
291	7323.47	0.46	314.54	23.66	7323.26	-1.98	-1.91	7.30	7.55	104.69	0.42	GyroTool	0
292	7348.48	0.42	309.90	25.01	7348.27	-1.84	-1.78	7.16	7.38	104.00	0.21	GyroTool	0
293	7373.66	0.43	298.53	25.18	7373.45	-1.74	-1.68	7.00	7.2	103.49	0.34	GyroTool	0
294	7398.61	0.36	302.04	24.95	7398.40	-1.65	-1.59	6.85	7.04	103.09	0.30	GyroTool	0
295	7423.83	0.43	301.31	25.22	7423.62	-1.56	-1.50	6.71	6.87	102.62	0.28	GyroTool	0
296	7449.46	0.40	300.98	25.63	7449.25	-1.46	-1.41	6.55	6.7	102.12	0.12	GyroTool	0
297	7473.46	0.40	297.60	24.00	7473.25	-1.38	-1.32	6.40	6.54	101.69	0.10	GyroTool	0
298	7499.08	0.38	299.96	25.62	7498.87	-1.29	-1.24	6.25	6.37	101.23	0.10	GyroTool	0
299	7524.22	0.36	311.90	25.14	7524.01	-1.20	-1.15	6.12	6.22	100.61	0.32	GyroTool	0
300	7548.99	0.33	280.29	24.77	7548.78	-1.13	-1.08	5.99	6.09	100.23	0.77	GyroTool	0
301	7574.99	0.37	303.21	26.00	7574.78	-1.07	-1.02	5.85	5.93	99.92	0.56	GyroTool	0
302	7599.32	0.34	287.46	24.33	7599.11	-1.01	-0.96	5.71	5.79	99.51	0.42	GyroTool	0
303	7624.48	0.34	269.69	25.16	7624.26	-0.98	-0.94	5.57	5.64	99.54	0.42	GyroTool	0
304	7649.84	0.40	277.30	25.36	7649.62	-0.97	-0.92	5.40	5.48	99.71	0.31	GyroTool	0
305	7673.47	0.47	275.40	23.63	7673.25	-0.95	-0.90	5.22	5.3	99.83	0.30	GyroTool	0
306	7699.00	0.43	272.92	25.53	7698.78	-0.93	-0.89	5.02	5.1	100.05	0.17	GyroTool	0
307	7723.27	0.43	259.96	24.27	7723.05	-0.94	-0.90	4.84	4.93	100.54	0.40	GyroTool	0
308	7749.21	0.59	275.75	25.94	7748.99	-0.94							

324	8148.96	0.47	228.67	25.48	8148.72	-2.43	-2.42	1.52	2.86	147.85	0.16	GyroTool	0
325	8174.10	0.48	206.18	25.14	8173.86	-2.59	-2.58	1.40	2.94	151.59	0.74	GyroTool	0
326	8199.35	0.46	212.60	25.25	8199.11	-2.77	-2.76	1.30	3.05	154.88	0.22	GyroTool	0
327	8223.95	0.50	213.64	24.60	8223.71	-2.94	-2.93	1.18	3.16	158.05	0.17	GyroTool	0
328	8249.96	0.43	207.71	26.01	8249.72	-3.12	-3.12	1.07	3.3	160.97	0.33	GyroTool	0
329	8273.42	0.44	209.61	23.46	8273.18	-3.28	-3.27	0.99	3.42	163.18	0.07	GyroTool	0
330	8299.50	0.42	203.73	26.08	8299.26	-3.45	-3.45	0.90	3.56	165.35	0.19	GyroTool	0
331	8324.20	0.50	216.88	24.70	8323.96	-3.62	-3.62	0.80	3.7	167.53	0.53	GyroTool	0
332	8349.40	0.48	218.84	25.20	8349.16	-3.79	-3.79	0.67	3.84	170.00	0.10	GyroTool	0
333	8374.43	0.55	220.71	25.03	8374.19	-3.96	-3.96	0.52	3.99	172.47	0.29	GyroTool	0
334	8399.94	0.57	228.01	25.51	8399.70	-4.14	-4.14	0.35	4.15	175.17	0.29	GyroTool	0
335	8424.46	0.55	232.41	24.52	8424.21	-4.29	-4.29	0.17	4.29	177.79	0.19	GyroTool	0
336	8449.09	0.56	219.71	24.63	8448.84	-4.45	-4.45	-0.01	4.45	180.07	0.50	GyroTool	0
337	8474.16	0.75	231.85	25.07	8473.91	-4.65	-4.65	-0.21	4.65	182.62	0.93	GyroTool	0
338	8497.96	0.63	233.88	23.80	8497.71	-4.82	-4.82	-0.44	4.84	185.22	0.51	GyroTool	0
339	8524.41	0.75	233.11	26.45	8524.16	-5.01	-5.01	-0.70	5.06	187.91	0.46	GyroTool	0
340	8549.48	0.83	244.47	25.07	8549.23	-5.18	-5.19	-0.99	5.28	190.82	0.70	GyroTool	0
341	8574.57	0.75	239.59	25.09	8574.31	-5.34	-5.35	-1.30	5.51	193.63	0.42	GyroTool	0
342	8598.50	0.92	239.32	23.93	8598.24	-5.51	-5.53	-1.60	5.75	196.12	0.71	GyroTool	0
343	8624.25	0.99	247.14	25.75	8623.99	-5.70	-5.72	-1.98	6.05	199.10	0.57	GyroTool	0
344	8648.69	1.04	245.78	24.44	8648.42	-5.87	-5.89	-2.38	6.35	201.97	0.23	GyroTool	0
345	8673.79	1.20	244.00	25.10	8673.52	-6.08	-6.10	-2.82	6.72	204.81	0.65	GyroTool	0
346	8699.00	1.27	244.04	25.21	8698.72	-6.31	-6.34	-3.31	7.15	207.57	0.28	GyroTool	0
347	8724.19	1.38	242.63	25.19	8723.91	-6.57	-6.60	-3.83	7.63	210.12	0.46	GyroTool	0
348	8748.67	1.53	238.14	24.48	8748.38	-6.87	-6.91	-4.37	8.17	212.31	0.77	GyroTool	0
349	8774.12	1.82	236.99	25.45	8773.82	-7.27	-7.31	-5.00	8.85	214.36	1.15	GyroTool	0
350	8798.33	1.91	238.18	24.21	8798.01	-7.68	-7.73	-5.66	9.58	216.22	0.40	GyroTool	0
351	8823.48	1.97	234.30	25.15	8823.15	-8.15	-8.20	-6.37	10.39	217.82	0.57	GyroTool	0
352	8848.50	1.81	236.20	25.02	8848.16	-8.61	-8.67	-7.05	11.18	219.09	0.69	GyroTool	0
353	8874.55	2.12	231.42	26.05	8874.19	-9.14	-9.20	-7.77	12.04	220.15	1.35	GyroTool	0
354	8899.61	2.12	236.66	25.06	8899.23	-9.68	-9.75	-8.51	12.94	221.14	0.77	GyroTool	0
355	8924.30	2.27	238.40	24.69	8923.91	-10.18	-10.26	-9.31	13.85	222.24	0.66	GyroTool	0
356	8949.63	2.18	232.28	25.33	8949.22	-10.73	-10.81	-10.12	14.81	223.11	1.00	GyroTool	0
357	8973.45	2.32	231.49	23.82	8973.02	-11.30	-11.39	-10.86	15.74	223.63	0.60	GyroTool	0
358	8999.51	2.17	232.23	26.06	8999.06	-11.92	-12.02	-11.66	16.75	224.13	0.59	GyroTool	0
359	9024.20	2.35	230.69	24.69	9023.73	-12.52	-12.63	-12.42	17.71	224.53	0.77	GyroTool	0
360	9049.41	2.37	229.21	25.21	9048.92	-13.18	-13.30	-13.22	18.75	224.83	0.25	GyroTool	0
361	9074.47	2.33	229.30	25.06	9073.96	-13.85	-13.97	-13.99	19.77	225.06	0.16	GyroTool	0
362	9099.26	2.41	230.85	24.79	9098.73	-14.50	-14.62	-14.78	20.79	225.30	0.41	GyroTool	0
363	9124.09	2.40	230.00	24.83	9123.53	-15.16	-15.29	-15.58	21.83	225.55	0.15	GyroTool	0
364	9149.49	2.49	226.06	25.40	9148.91	-15.87	-16.01	-16.39	22.91	225.66	0.75	GyroTool	0
365	9174.50	2.61	227.07	25.01	9173.90	-16.63	-16.78	-17.20	24.02	225.71	0.51	GyroTool	0
366	9198.86	2.64	227.75	24.36	9198.23	-17.38	-17.53	-18.02	25.14	225.78	0.18	GyroTool	0
367	9224.52	2.65	228.47	25.66	9223.86	-18.16	-18.32	-18.90	26.32	225.89	0.14	GyroTool	0
368	9249.19	2.63	224.66	24.67	9248.51	-18.94	-19.10	-19.72	27.46	225.91	0.72	GyroTool	0
369	9274.38	2.42	222.60	25.19	9273.67	-19.73	-19.91	-20.49	28.57	225.83	0.91	GyroTool	0
370	9299.17	2.42	220.21	24.79	9298.44	-20.51	-20.69	-21.18	29.61	225.67	0.41	GyroTool	0
371	9323.59	2.41	215.98	24.42	9322.84	-21.31	-21.50	-21.82	30.63	225.42	0.73	GyroTool	0
372	9349.16	2.42	213.25	25.57	9348.39	-22.20	-22.39	-22.43	31.69	225.05	0.45	GyroTool	0
373	9374.43	2.28	207.95	25.27	9373.63	-23.08	-22.96	-22.96	32.69	224.60	1.02	GyroTool	0
374	9399.16	2.33	213.84	24.73	9398.34	-23.93	-24.13	-23.47	33.66	224.20	0.98	GyroTool	0
375	9424.63	2.18	219.49	25.47	9423.79	-24.73	-24.93	-24.06	34.65	223.98	1.05	GyroTool	0
376	9427.00	2.21	214.95	2.37	9426.16	-24.80	-25.01	-24.12	34.74	223.97	7.44	GyroTool	0
377	9459.00	2.15	218.87	32.00	9458.14	-25.77	-25.98	-24.85	35.95	223.73	0.51	SlimPulse	0
378	9554.00	2.04	229.56	95.00	9553.08	-28.23	-28.46	-27.25	39.4	223.76	0.43	SlimPulse	0
379	9649.00	1.60	218.54	95.00	9648.03	-30.34	-30.59	-29.36	42.41	223.82	0.59	SlimPulse	0
380	9744.00	1.45	186.67	95.00	9743.00	-32.57	-32.83	-30.33	44.69	222.74	0.89	SlimPulse	0
381	9839.00	1.73	187.54	95.00	9837.96	-35.18	-35.44	-30.66	46.86	220.86	0.29	SlimPulse	0
382	9934.00	2.05	196.46	95.00	9932.91	-38.22	-38.49	-31.33	49.63	219.14	0.45	SlimPulse	0
383	10029.00	1.63	191.04	95.00	10027.86	-41.17	-41.45	-32.07	52.4	217.73	0.47	SlimPulse	0
384	10123.00	1.93	182.20	94.00	10121.81	-44.07	-44.34	-32.38	54.91	216.14	0.43	SlimPulse	0
385	10216.00	2.35	166.60	93.00	10214.75	-47.49	-47.76	-32.00	57.49	213.83	0.77	SlimPulse	0
386	10311.00	0.84	170.93	95.00	10309.71	-50.08	-50.34	-31.44	59.36	211.99	1.59	SlimPulse	0
387	10405.00	0.63	204.30	94.00	10403.70	-51.23	-51.50	-31.55	60.39	211.49	0.50	SlimPulse	0
388	10498.00	0.76	210.05	93.00	10496.70	-52.23	-52.50	-32.07	61.52	211.42	0.16	SlimPulse	0
389	10592.00	1.09	200.08	94.00	10590.68	-53.61	-53.88	-32.69	63.02	211.24	0.38	SlimPulse	0
390	10687.00	1.40	204.25	95.00	10685.66	-55.50	-55.79	-33.48	65.06	210.96	0.34	SlimPulse	0
391	10780.00	1.22	317.40	93.00	10778.65	-55.80	-56.10	-34.61	65.92	211.67	2.36	SlimPulse	0
392	10874.00	1.77	316.10	94.00	10872.62	-54.00	-54.31	-36.30	65.33	213.76	0.59	SlimPulse	0
393	10967.00	0.50	318.75	93.00	10965.60	-52.65	-52.97	-37.57	64.94	215.35	1.37	SlimPulse	0
394	11035.00	0.50	318.75	68.00	11033.59	-52.20	-52.52	-37.96	64.8	215.86	0.00	rejection to E	0

Reservoir Development

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

October 16, 2013

GMT Exploration Company, LLC
1560 Broadway, Suite 2000

Denver, CO 80202

Re:

CLIENT: GMT Exploration Company, LLC
WELL: Asadero State Com 1H ST01
FIELD: Grama Ridge; Bone Spring North
RIG: McVay 4
COUNTY: Lea New Mexico
API NO: 30-025-40889-01
JOB NO: 13MLD0542

S3 -T21S-R34E 200 FSL 380 FWL
N 32.50125 W 103.46510

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>
Connor Ferguson MWD	Asadero State Com 1H ST01 Side Track	10205.00 Ft to 16522.00 Ft	September 15, 2013 to October 1, 2013	SlimPulse & TeleScope

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

Well Reference:

S3-T21S-R34E 200 FSL 380 FWL

N 32.50125 W 103.46510

I, Connor Ferguson certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of September 15, 2013 through October 01, 2013, conduct or supervise the taking of the SlimPulse & TeleScope surveys from a depth of 10205.00 feet to a depth of 16522.00 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 Asadero State Com 1H ST01 Well (Side Track) API No. 30-025-40889-01 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
Connor Ferguson
MWD

[Signature] Olina Puccs on behalf of
Connor Ferguson

Subscribed and Sworn to before me this 16th day of October (month) 2013 (yr)

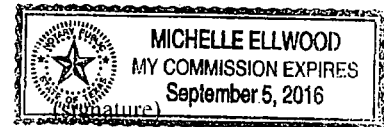
My Commission expires:

September 5, 2016Michelle Ellwood

Notary Public

Midland, Texas

(County State)



SCHLUMBERGER

Survey Report

25-Oct-2013

Client.....: GMT Exploration Company L
 Field.....: Grama Ridge ; Bone Spring

Well.....: Asadero State Com 1H ST01
 API number.....: 30-025-40889-01
 Engineer.....: Connor Ferguson

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

Spud date.....: 29-Jul-13
 Last survey date.....: 1-Oct-13
 Total accepted surveys...: 89
 MD of first survey.....: 10205.00 ft
 MD of last survey.....: 16522.00 ft

Latitude.....: 32° 30' 4.505" N
 Longitude.....: 103° 27' 54.371" 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.....: 3694.00
 KB above permanent.....: 3712.00
 DF above permanent.....: 3712.00

----- 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.....: 809008.43 ft
 Y.....: 547175.78 ft

Azimuth from Vsect Origin to target: 359.51 degrees

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

-----Run1----- Calculation Date: 6-Aug-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48547.88 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.3673 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 1-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48538.71 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.3648 degrees Tolerance Dip: 0.45 degrees

-----Run3----- Calculation Date: 2-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48538.36 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.3647 degrees Tolerance Dip: 0.45 degrees

-----Run4----- Calculation Date: 4-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48537.66 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.3645 degrees Tolerance Dip: 0.45 degrees

-----Run5----- Calculation Date: 10-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48535.54 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.364 degrees Tolerance Dip: 0.45 degrees

-----Run6----- Calculation Date: 18-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48532.73 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.3632 degrees Tolerance Dip: 0.45 degrees

-----Run7----- Calculation Date: 21-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn
 Location B.....: 48531.67 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 60.3629 degrees Tolerance Dip: 0.45 degrees

-----Run8----- Calculation Date: 28-Sep-2013

Location G.....: 998.94325 mgn Tolerance G...: 2.50 mgn

Location B....: 48529.2 nT Tolerance B....: 300.00 nT
Magnetic Dip: 60.3622 degrees Tolerance Dip: 0.45 degrees

-----Run9----- Calculation Date: 29-Sep-2013
Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
Location B....: 48528.85 nT Tolerance B....: 300.00 nT
Magnetic Dip: 60.3621 degrees Tolerance Dip: 0.45 degrees

BGGM Model: 2012

-----Run1-----
Magnetic dec (+E/W-).....: 7.4001 degrees
Grid Conv (+E/W-).....: 0.4701 degrees
Total Azim Corr (+E/W-)...: 6.93 degrees

-----Run2-----
Magnetic dec (+E/W-).....: 7.3918 degrees
Grid Conv (+E/W-).....: 0.4618 degrees
Total Azim Corr (+E/W-)...: 6.93 degrees

-----Run3-----
Magnetic dec (+E/W-).....: 7.3915 degrees
Grid Conv (+E/W-).....: 0.4715 degrees
Total Azim Corr (+E/W-)...: 6.92 degrees

-----Run4-----
Magnetic dec (+E/W-).....: 7.3909 degrees
Grid Conv (+E/W-).....: 0.4709 degrees
Total Azim Corr (+E/W-)...: 6.92 degrees

-----Run5-----
Magnetic dec (+E/W-).....: 7.3889 degrees
Grid Conv (+E/W-).....: 0.4689 degrees
Total Azim Corr (+E/W-)...: 6.92 degrees

-----Run6-----
Magnetic dec (+E/W-).....: 7.3864 degrees
Grid Conv (+E/W-).....: 0.4664 degrees
Total Azim Corr (+E/W-)...: 6.92 degrees

-----Run7-----
Magnetic dec (+E/W-).....: 7.3854 degrees
Grid Conv (+E/W-).....: 0.4654 degrees
Total Azim Corr (+E/W-)...: 6.92 degrees

-----Run8-----
Magnetic dec (+E/W-).....: 7.3832 degrees
Grid Conv (+E/W-).....: 0.4632 degrees
Total Azim Corr (+E/W-)...: 6.92 degrees

-----Run9-----
Magnetic dec (+E/W-).....: 7.3829 degrees
Grid Conv (+E/W-).....: 0.4629 degrees
Total Azim Corr (+E/W-)...: 6.92 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	10157.63	2.07	175.67	-999.25	10156.42	-45.27	-45.55	-32.36	55.87	215.39	0.00	TIP	0
2	10205.00	5.04	11.50	47.37	10203.74	-44.09	-44.36	-31.88	54.63	215.70	14.89	SlimPulse	0
3	10237.00	8.94	2.80	32.00	10235.50	-40.23	-40.50	-31.48	51.3	217.86	12.60	SlimPulse	0
4	10268.00	13.16	0.88	31.00	10265.92	-34.29	-34.56	-31.31	46.63	222.17	13.66	SlimPulse	0
5	10301.00	17.81	0.97	33.00	10297.71	-25.49	-25.76	-31.16	40.43	230.43	14.11	SlimPulse	0
6	10330.00	22.13	1.07	29.00	10324.96	-15.59	-15.86	-30.99	34.81	242.90	14.87	SlimPulse	0
7	10361.00	26.32	1.62	31.00	10353.23	-2.88	-3.14	-30.68	30.84	264.15	13.54	SlimPulse	0
8	10393.00	29.34	1.79	32.00	10381.52	12.05	11.79	-30.24	32.45	291.30	9.45	SlimPulse	0
9	10424.00	32.05	1.74	31.00	10408.18	27.86	27.60	-29.75	40.58	312.86	8.73	SlimPulse	0

10	10458.00	34.65	1.80	34.00	10436.57	46.53	46.28	-29.17	54.71	327.78	7.66	SlimPulse	0
11	10489.00	37.02	1.61	31.00	10461.70	64.67	64.43	-28.63	70.5	336.04	7.64	SlimPulse	0
12	10519.00	38.65	1.45	30.00	10485.40	83.06	82.82	-28.14	87.47	341.23	5.44	SlimPulse	0
13	10549.00	39.95	1.01	30.00	10508.61	102.05	101.82	-27.74	105.53	344.76	4.44	SlimPulse	0
14	10580.00	41.17	0.21	31.00	10532.16	122.20	121.97	-27.52	125.04	347.28	4.26	SlimPulse	0
15	10612.00	43.51	359.07	32.00	10555.81	143.75	143.52	-27.66	146.16	349.09	7.69	SlimPulse	0
16	10643.00	46.85	358.97	31.00	10577.66	165.74	165.50	-28.04	167.86	350.38	10.77	SlimPulse	0
17	10677.00	49.58	359.36	34.00	10600.32	191.09	190.85	-28.41	192.95	351.53	8.09	SlimPulse	0
18	10709.00	51.78	359.86	32.00	10620.59	215.84	215.61	-28.58	217.49	352.45	6.99	SlimPulse	0
19	10741.00	53.58	359.73	32.00	10639.99	241.29	241.05	-28.67	242.75	353.22	5.61	SlimPulse	0
20	10773.00	54.99	359.41	32.00	10658.67	267.27	267.03	-28.86	268.59	353.83	4.49	SlimPulse	0
21	10805.00	58.14	358.53	32.00	10676.30	293.97	293.73	-29.34	295.19	354.29	10.13	SlimPulse	0
22	10836.00	60.99	357.62	31.00	10692.00	320.69	320.44	-30.25	321.86	354.61	9.53	SlimPulse	0
23	10868.00	64.04	357.31	32.00	10706.77	349.05	348.80	-31.50	350.22	354.84	9.56	SlimPulse	0
24	10899.00	68.44	357.76	31.00	10719.25	377.40	377.14	-32.72	378.55	355.04	14.26	SlimPulse	0
25	10931.00	73.43	358.05	32.00	10729.70	407.63	407.35	-33.82	408.75	355.25	15.59	SlimPulse	0
26	10962.00	78.25	358.16	31.00	10737.29	437.67	437.38	-34.82	438.77	355.45	15.58	SlimPulse	0
27	10994.00	81.69	358.64	32.00	10742.86	469.17	468.88	-35.70	470.23	355.65	10.82	SlimPulse	0
28	11023.00	83.83	358.85	29.00	10746.51	497.93	497.64	-36.33	498.96	355.82	7.43	SlimPulse	0
29	11055.00	86.56	359.18	32.00	10749.19	529.81	529.52	-36.88	530.8	356.02	8.59	SlimPulse	0
30	11088.00	89.21	359.06	33.00	10750.41	562.79	562.49	-37.39	563.73	356.20	8.04	SlimPulse	0
31	11121.00	89.86	359.65	33.00	10750.68	595.79	595.48	-37.76	596.68	356.37	2.68	SlimPulse	0
32	11152.00	90.65	359.64	31.00	10750.54	626.78	626.48	-37.95	627.63	356.53	2.55	SlimPulse	0
33	11225.00	91.32	358.98	73.00	10749.28	699.77	699.47	-38.83	700.54	356.82	1.28	TeleScope	0
34	11256.00	91.52	359.93	31.00	10748.52	730.76	730.46	-39.12	731.5	356.93	3.11	TeleScope	0
35	11349.00	91.60	359.97	93.00	10745.98	823.73	823.42	-39.21	824.35	357.27	0.10	TeleScope	0
36	11445.00	90.69	0.50	96.00	10744.06	919.70	919.40	-38.82	920.22	357.58	1.10	TeleScope	0
37	11542.00	90.52	0.72	97.00	10743.04	1016.67	1016.39	-37.78	1017.09	357.87	0.29	TeleScope	0
38	11636.00	89.63	1.08	94.00	10742.93	1110.65	1110.38	-36.30	1110.97	358.13	1.02	TeleScope	0
39	11731.00	89.51	1.50	95.00	10743.64	1205.60	1205.35	-34.17	1205.83	358.38	0.45	TeleScope	0
40	11826.00	89.66	2.06	95.00	10744.33	1300.52	1300.30	-31.22	1300.67	358.62	0.62	TeleScope	0
41	11921.00	89.11	3.04	95.00	10745.35	1395.38	1395.20	-26.99	1395.46	358.89	1.17	TeleScope	0
42	12015.00	89.26	2.97	94.00	10746.69	1489.19	1489.06	-22.06	1489.22	359.15	0.17	TeleScope	0
43	12108.00	88.31	2.37	93.00	10748.66	1582.03	1581.94	-17.73	1582.04	359.36	1.21	TeleScope	0
44	12203.00	87.82	1.16	95.00	10751.87	1676.90	1676.84	-14.80	1676.9	359.49	1.37	TeleScope	0
45	12298.00	87.82	359.58	95.00	10755.48	1771.82	1771.76	-14.18	1771.82	359.54	1.66	TeleScope	0
46	12395.00	87.94	359.06	97.00	10759.07	1868.75	1868.69	-15.33	1868.75	359.53	0.55	TeleScope	0
47	12491.00	88.28	358.19	96.00	10762.23	1964.69	1964.61	-17.63	1964.69	359.49	0.98	TeleScope	0
48	12585.00	88.94	358.35	94.00	10764.51	2058.64	2058.54	-20.46	2058.64	359.43	0.72	TeleScope	0
49	12680.00	89.40	358.12	95.00	10765.89	2153.60	2153.48	-23.39	2153.61	359.38	0.54	TeleScope	0
50	12774.00	89.63	358.07	94.00	10766.69	2247.57	2247.43	-26.51	2247.58	359.32	0.25	TeleScope	0
51	12868.00	89.57	358.09	94.00	10767.35	2341.54	2341.37	-29.65	2341.56	359.27	0.07	TeleScope	0
52	12966.00	89.51	358.86	98.00	10768.13	2439.52	2439.33	-32.26	2439.55	359.24	0.78	TeleScope	0
53	13060.00	90.00	359.57	94.00	10768.53	2533.52	2533.32	-33.55	2533.54	359.24	0.92	TeleScope	0
54	13154.00	90.54	359.98	94.00	10768.08	2627.51	2627.32	-33.92	2627.54	359.26	0.72	TeleScope	0
55	13249.00	90.49	0.88	95.00	10767.23	2722.50	2722.31	-33.20	2722.51	359.30	0.96	TeleScope	0
56	13345.00	90.37	1.84	96.00	10766.51	2818.44	2818.28	-30.92	2818.45	359.37	1.00	TeleScope	0
57	13438.00	90.09	1.02	93.00	10766.14	2911.39	2911.25	-28.60	2911.39	359.44	0.93	TeleScope	0
58	13533.00	90.17	0.30	95.00	10765.92	3006.37	3006.24	-27.51	3006.37	359.48	0.76	TeleScope	0
59	13628.00	89.94	358.82	95.00	10765.83	3101.37	3101.24	-28.23	3101.37	359.48	1.58	TeleScope	0
60	13721.00	89.89	358.33	93.00	10765.97	3194.35	3194.21	-30.54	3194.35	359.45	0.52	TeleScope	0
61	13816.00	89.86	357.87	95.00	10766.18	3289.32	3289.16	-33.69	3289.33	359.41	0.49	TeleScope	0
62	13913.00	90.06	357.74	97.00	10766.25	3386.28	3386.08	-37.40	3386.29	359.37	0.25	TeleScope	0
63	14008.00	90.00	357.62	95.00	10766.21	3481.23	3481.01	-41.24	3481.25	359.32	0.14	TeleScope	0
64	14103.00	89.23	357.91	95.00	10766.85	3576.18	3575.93	-44.95	3576.21	359.28	0.87	TeleScope	0
65	14198.00	89.25	358.36	95.00	10768.11	3671.15	3670.87	-48.05	3671.19	359.25	0.48	TeleScope	0
66	14293.00	89.31	358.67	95.00	10769.29	3766.13	3765.83	-50.51	3766.17	359.23	0.33	TeleScope	0
67	14387.00	89.28	359.19	94.00	10770.45	3860.11	3859.81	-52.26	3860.16	359.22	0.55	TeleScope	0
68	14483.00	89.28	0.29	96.00	10771.65	3956.11	3955.80	-52.70	3956.15	359.24	1.15	TeleScope	0
69	14578.00	89.40	0.58	95.00	10772.74	4051.09	4050.79	-51.98	4051.12	359.26	0.33	TeleScope	0
70	14658.00	89.08	0.34	80.00	10773.80	4131.07	4130.78	-51.33	4131.1	359.29	0.49	TeleScope	0
71	14731.00	89.28	0.61	73.00	10774.84	4204.05	4203.77	-50.72	4204.08	359.31	0.46	TeleScope	0
72	14862.00	89.23	359.91	131.00	10776.54	4335.03	4334.76	-50.13	4335.05	359.34	0.54	TeleScope	0
73	14957.00	89.26	359.60	95.00	10777.80	4430.02	4429.75	-50.53	4430.04	359.35	0.33	TeleScope	0
74	15052.00	89.23	359.34	95.00	10779.06	4525.01	4524.74	-51.41	4525.03	359.35	0.27	TeleScope	0
75	15146.00	88.37	356.28	94.00	10781.04	4618.94	4618.63	-54.99	4618.96	359.32	3.38	TeleScope	0
76	15242.00	89.06	352.53	96.00	10783.20	4714.51	4714.13	-64.35	4714.57	359.22	3.97	TeleScope	0
77	15360.00	90.24	352.24	118.00	10783.92	4831.60	4831.09	-79.99	4831.75	359.05	1.03	SlimPulse	0
78	15456.00	89.31	2.05	96.00	10784.30	4927.40	4926.85	-84.77	4927.58	359.01	10.26	SlimPulse	0
79	15550.00	87.38	2.34	94.00	10787.01	5021.25	5020.74	-81.17	5021.39	359.07	2.08	SlimPulse	0
80	15645.00	88.63	1.91	95.00	10790.32	5116.09	5115.61	-77.65	5116.2	359.13	1.38	SlimPulse	0
81	15740.00	89.76	2.84	95.00	10791.65	5210.96	5210.52	-73.71	5211.04	359.19	1.54	SlimPulse	0
82	15835.00	88.97	2.30	95.00	10792.71	5305.82	5305.42	-69.45	5305.87	359.25	1.01	SlimPulse	0
83	15931.00	88.80	1.71	96.00	10794.58	5401.71	5401.34	-66.09	5401.74	359.30	0.64	SlimPulse	0
84	16024.00	87.18	1.47	93.00	10797.85	5494.59	5494.24	-63.51	5494.61	359.34	1.76	SlimPulse	0
85	16119.00	86.56	1.26	95.00	10803.04	5589.39	5589.07	-61.25	5589.41	359.37	0.69	SlimPulse	0
86	16212.00	86.80	1.39	93.00	10808.43	5682.19	5681.89	-59.10	5682.2	359.40	0.29	SlimPulse	0
87	16310.00	86.18	1.22	98.00	10814.43	5779.96	5779.68	-56.87	5779.96	359.44	0.66	SlimPulse	0
88	16404.00	85.84	1.02	94.00	10820.97	5873.69	5873.44	-55.03	5873.69	359.46	0.42	SlimPulse	0
89	16500.00	86.72	1.19	96.00	10827.20	5969.45	5969.22	-53.19	5969.45	359.49	0.94	SlimPulse	0
90	16522.00	86.69	0.97	22.00	10828.46	5991.41	5991.18	-52.77	5991.41	359.50	0.99	SlimPulse	0
91	16585.00	86.69	0.97	63.00	10832.10	6054.28	6054.06	-51.71	6054.28	359.51	0.01	rejection to t	0