

Results of Directional Survey

API number:	30-025-40935		
OGRID:		Operator:	GMT EXPLORATION COMPANY LLC
		Property:	MERCHANT LIVESTOCK STATE COM 25 # 1H

surface	ULSTR:	D	25	T	22S	R	34E
				20	FNL	380	FWL

BH Loc	ULSTR:	M	25	T	22S	R	34E
15959	MD	11299.6	TVD	332	FSL	417	FWL
				4948	FNL		

Top Perf/OH	ULSTR:	D	25	T	22S	R	34E
11696	MD	11284.8	TVD	686	FNL	429	FWL

Bot/Perf/OH	ULSTR:	M	25	T	22S	R	34E
15895	MD	11299.4	TVD	396	FSL	417	FWL
				4884	FNL		

	MD	N/S	E/W	VD
	11665	-635.09	49.68	11283.08
TOP PERFS/OH	11696	-666.03	48.92	11284.79
	11697	-667.03	48.90	11284.85
	15850	-4819.48	35.99	11299.21
BOT PERFS/OH	15895	-4864.48	36.53	11299.38
	15959	-4928.47	37.30	11299.61

NEXT TO LAST	15850	-4819.48	35.99	11299.21
LAST READING	15959	-4928.47	37.30	11299.61
TD	15959	-4928.47	37.30	11299.61

Surface Location	20	FN	380	FW
Projected BHL	4948	FN	417	FW
Location of				
Top Perfs/OH	686	FN	429	FW
Bottom Perfs/OH	4884	FN	417	FW

FN

SUMMARY of Subsurface Locations

Surface Location	D-25-22S-34E	20	FN	380	FW	Vert. Depth
Top Perfs/OH	D-25-22S-34E	686	FN	429	FW	11284.79
Bottom Perfs/OH	M-25-22S-34E	4884	FN	417	FW	11299.38
Projected TD	M-25-22S-34E	4948	FN	417	FW	11299.61

DEC 17 2013



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

HOBBS OCD

DEC 12 2013

Well Name and Num: Merchant Livestock State Com 25 #1H
Location: Sec 25, T22S, R34E
Operator: GMT
Drilling Contractor: McVay Drilling Company

RECEIVED

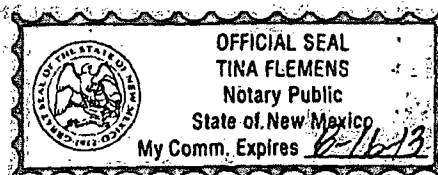
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.30	487	0.45	4781	0.01	9213	61.91	11351
0.40	755	0.56	5141	0.10	9307	65.18	11432
0.20	938	0.34	5205	0.17	9401	74.15	11476
0.30	1194	0.08	5584	0.03	9495	77.32	11508
0.10	1511	0.25	5869	0.05	9871	84.24	11633
0.30	1759	0.33	6154	0.01	10059	88.80	11715
0.21	1864	3.34	6249	0.05	10152	91.00	11866
0.28	2054	8.73	6387	0.66	10550	90.89	11247
0.28	2338	2.96	6672	0.11	10958	90.10	12723
0.28	3098	0.80	6923	0.93	11379	89.48	13202
0.26	3572	0.10	7211	1.33	11513	89.17	13585
0.46	3957	0.08	7498	1.45	10718	89.21	13967
0.17	4046	0.10	7593	13.05	10813	89.28	14436
0.29	4141	0.08	7896	17.92	10844	89.66	14911
0.28	4236	0.08	7992	26.81	10908	89.79	15099
0.26	4331	0.12	8370	36.99	11034	89.72	15379
0.28	4426	0.03	8754	42.97	11098	89.79	15850
0.28	4521	0.01	8846	49.83	11193		
0.21	4615	0.03	9035	56.75	11288		

By: [Signature]

Subscribed and sworn to before me this 5th day of June, 2013

Tina Flemens
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

June 24, 2013

Cimarex
600 N MARIENFELD STREET SUITE 600

MIDLAND, TX 79701

HOBBS OCD

SEP 26 2013

RECEIVED

Re:

Sec 25, T22S, R34E Lea NM
N 32.36988 W 103.43101

CLIENT: GMT Exploration Company, LLC
WELL: Merchant Livestock State Com 25 1H ST01
FIELD: Ojo Chiso; Bone Spring, South
RIG: McVay 4
COUNTY: Lea
API NO: 30-025-10935-01
JOB NO: 13MLD0239

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>
Yahya Lazrak MWD	Merchant Livestock State Com 25 1H ST01 Side Track	10718.00 Ft to 15850.00 Ft	May 14, 2013 to May 26, 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

HOBBS OCD

SEP 26 2013

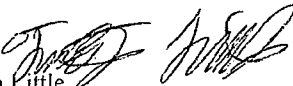
Schlumberger

RECEIVED

Well Reference:

Sec 25, T22S, R34E Lea NM
N 32.36988 W 103.43101

I, Yahya Lazrak certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of May 14, 2013 through May 26, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 10718.00 feet to a depth of 15850.00 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 Livestock State Com 25 1H ST01 Well (Side Track) API No. 30-025-40935-01 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.

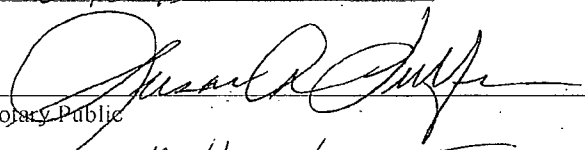
By 
Tim Little

On behalf of
Yahya Lazrak
MWD

Subscribed and Sworn to before me this 24th day of June (month) 2013 (yr)

My Commission expires:

5-18-13


Notary Public

Midland Texas
(County State)



SCHLUMBERGER
Survey Report

17-Jun-2013

Client..... GMT Exploration Company,
Field..... Ojo Chiso, Bone Spring South

Well..... Merchant Livestock State Corn 25 1H ST01
API number..... 30-025-40935-01
Engineer..... Yahya Lazrak

Spud date..... 11-Apr-13
Last survey date..... 26-May-13
Total accepted surveys..... 84
MD of first survey..... 10718.00 ft
MD of last survey..... 15850.00 ft

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

Latitude..... 32° 22' 11.574" N
Longitude..... 103° 25' 51.638" W

--- Survey calculation methods ---
Method for positions..... Minimum curvature
Method for DLS..... Lubinski

--- Depth reference ---
Permanent datum..... MSL
Depth reference..... Driller's Depth
GI above permanent..... 3467.00
KB above permanent..... 3485.00
DF above permanent..... 3485.00

--- 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..... 499469.16 ft
Y..... 819923.00 ft

Azimuth from Vsect Origin to target: 179.65 degrees

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

---Run8---
Geomag Model: : BGGM 2012 Calculation Date: : 13-May-2013
Location G : 998.84 mgn Tolerance G : 2.50 mgn
Location B : 48504.06 nT Tolerance B : 300.00 nT
Magnetic Dip : 60.26 degrees Tolerance Dip : 0.45 degrees

---Run9---
Geomag Model: : BGGM 2012 Calculation Date: : 15-May-2013
Location G : 998.84 mgn Tolerance G : 2.50 mgn
Location B : 48503.36 nT Tolerance B : 300.00 nT
Magnetic Dip : 60.26 degrees Tolerance Dip : 0.45 degrees

---Run10---
Geomag Model: : BGGM 2012 Calculation Date: : 19-May-2013
Location G : 998.84 mgn Tolerance G : 2.50 mgn
Location B : 48501.95 nT Tolerance B : 300.00 nT
Magnetic Dip : 60.26 degrees Tolerance Dip : 0.45 degrees

---Run11---
Geomag Model: : BGGM 2012 Calculation Date: : 20-May-2013
Location G : 998.84 mgn Tolerance G : 2.50 mgn
Location B : 48501.59 nT Tolerance B : 300.00 nT
Magnetic Dip : 60.26 degrees Tolerance Dip : 0.45 degrees

---Run12---
Geomag Model: : BGGM 2012 Calculation Date: : 23-May-2013
Location G : 998.84 mgn Tolerance G : 2.50 mgn
Location B : 48500.54 nT Tolerance B : 300.00 nT
Magnetic Dip : 60.26 degrees Tolerance Dip : 0.45 degrees

-----MWD Survey Azimuth Correction-----

---Run8---
Magnetic dec (+E/W-) : 7.4010 degrees
Grid convergence (+E/W-) : 0.4831 degrees
GTotal az corr (+E/W-) : 6.9179 degrees

---Run9---
Magnetic dec (+E/W-) : 7.4004 degrees
Grid convergence (+E/W-) : 0.4831 degrees
GTotal az corr (+E/W-) : 6.9172 degrees

---Run10---
Magnetic dec (+E/W-) : 7.3991 degrees
Grid convergence (+E/W-) : 0.4831 degrees
GTotal az corr (+E/W-) : 6.9160 degrees

---Run11---
Magnetic dec (+E/W-) : 7.3988 degrees
Grid convergence (+E/W-) : 0.4831 degrees
GTotal az corr (+E/W-) : 6.9156 degrees

---Run12---
Magnetic dec (+E/W-) : 7.3978 degrees
Grid convergence (+E/W-) : 0.4831 degrees
GTotal az corr (+E/W-) : 6.9147 degrees

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

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

7 = Projection to Bit

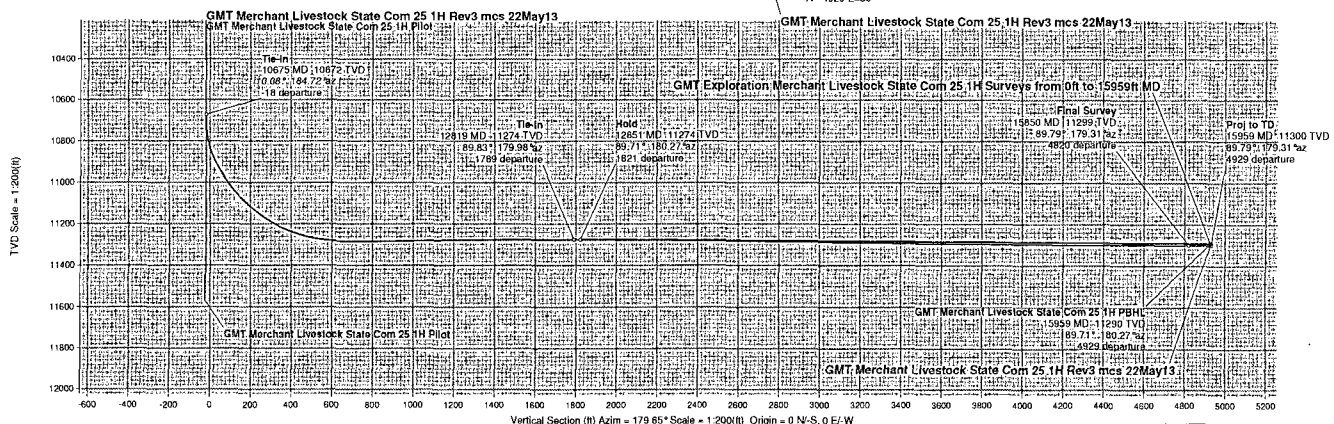
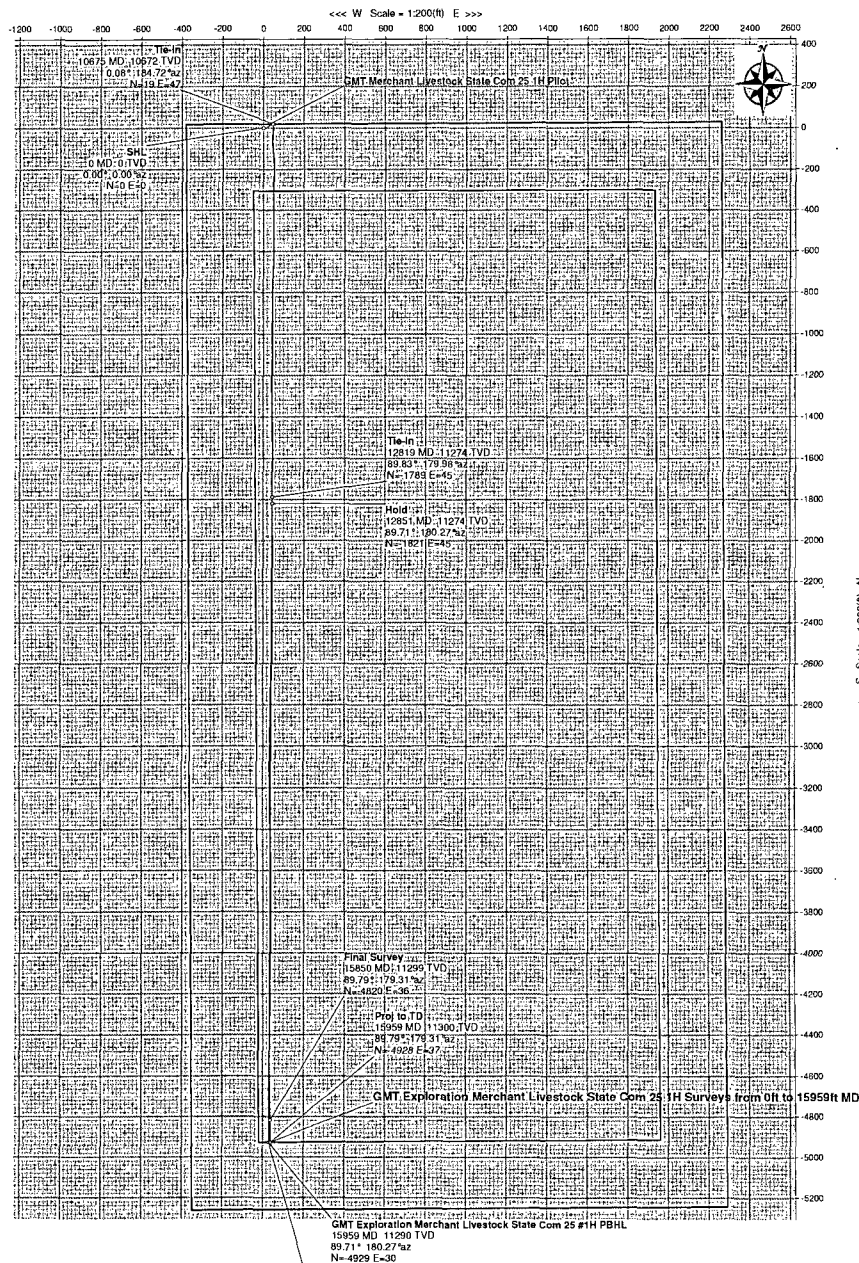
Survey List															
Seq	MD (ft)	Ind (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azi (deg)	DLS (deg/100ft)	Tool	Correction		
1	0.00	0.00	0.00	-999.25	0.00	0.00	0.00	0.00	0	90.00	0.00	TIP	0		
2	175.00	0.10	173.00	175.00	175.00	0.15	-0.15	0.02	0.15	173.00	0.06	MultiShot	0		
3	328.00	0.30	180.00	153.00	328.00	0.68	-0.68	0.03	0.69	177.08	0.13	MultiShot	0		
4	422.00	0.20	105.00	94.00	422.00	0.97	-0.97	0.19	0.99	168.76	0.33	MultiShot	0		
5	514.00	0.30	134.00	92.00	514.00	1.19	-1.18	0.52	1.29	156.19	0.17	MultiShot	0		
6	608.00	0.40	129.00	94.00	608.00	1.57	-1.56	0.95	1.83	148.55	0.11	MultiShot	0		
7	698.00	0.20	158.00	90.00	697.99	1.91	-1.90	1.26	2.28	146.56	0.27	MultiShot	0		
8	755.00	0.40	151.00	57.00	754.99	2.18	-2.17	1.39	2.58	147.34	0.36	MultiShot	0		
9	845.00	0.10	289.00	90.00	844.99	2.43	-2.42	1.47	2.83	148.73	0.53	MultiShot	0		
10	938.00	0.20	359.00	93.00	937.99	2.24	-2.23	1.39	2.63	148.08	0.20	MultiShot	0		
11	1034.00	0.00	9.00	96.00	1033.99	2.07	-2.06	1.39	2.48	146.09	0.21	MultiShot	0		
12	1066.00	0.40	307.00	32.00	1065.99	2.00	-1.99	1.30	2.38	146.97	1.25	MultiShot	0		
13	1194.00	0.13	218.00	128.00	1193.99	1.85	-1.84	0.85	2.03	155.20	0.33	MultiShot	0		
14	1298.00	0.13	272.00	104.00	1297.99	1.93	-1.93	0.66	2.04	161.11	0.11	MultiShot	0		
15	1385.00	0.14	309.00	87.00	1384.99	1.86	-1.86	0.48	1.92	165.56	0.10	MultiShot	0		
16	1606.00	0.11	151.00	221.00	1605.99	1.88	-1.87	0.37	1.91	168.78	0.11	MultiShot	0		
17	1701.00	0.13	267.00	95.00	1700.99	1.96	-1.96	0.31	1.98	171.06	0.21	MultiShot	0		
18	1803.00	0.10	70.00	102.00	1802.99	1.94	-1.94	0.28	1.96	171.87	0.22	MultiShot	0		
19	1864.00	0.21	238.44	61.00	1863.99	1.98	-1.97	0.23	1.99	173.77	0.50	SlimPulse	0		
20	1959.00	0.26	7.88	95.00	1958.99	1.85	-1.85	0.12	1.85	176.38	0.45	SlimPulse	0		
21	2054.00	0.28	278.45	95.00	2053.99	1.60	-1.60	-0.09	1.6	183.07	0.40	SlimPulse	0		
22	2149.00	0.22	311.77	95.00	2148.99	1.44	-1.45	-0.45	1.51	197.40	0.17	SlimPulse	0		
23	2244.00	0.19	119.27	95.00	2243.99	1.40	-1.40	-0.45	1.47	197.95	0.42	SlimPulse	0		
24	2338.00	0.26	208.37	94.00	2337.99	1.68	-1.68	-0.43	1.73	194.41	0.36	SlimPulse	0		
25	2433.00	0.18	245.56	95.00	2432.99	1.94	-1.95	-0.68	2.06	199.15	0.19	SlimPulse	0		
26	2528.00	0.22	89.32	95.00	2527.99	2.00	-2.00	-0.63	2.1	197.39	0.40	SlimPulse	0		
27	2623.00	0.25	266.11	95.00	2622.99	2.01	-2.02	-0.65	2.12	197.98	0.49	SlimPulse	0		
28	2718.00	0.23	345.20	95.00	2717.99	1.84	-1.85	-0.91	2.06	206.26	0.32	SlimPulse	0		
29	2813.00	0.26	83.80	95.00	2812.99	1.63	-1.64	-0.74	1.8	204.43	0.39	SlimPulse	0		
30	2908.00	0.14	113.70	95.00	2907.98	1.66	-1.66	-0.42	1.71	194.19	0.16	SlimPulse	0		
31	3003.00	0.28	21.98	95.00	3002.98	1.49	-1.49	-0.23	1.51	188.61	0.33	SlimPulse	0		
32	3098.00	0.28	295.36	95.00	3097.98	1.18	-1.18	-0.35	1.23	196.63	0.40	SlimPulse	0		
33	3193.00	0.32	229.98	95.00	3192.98	1.24	-1.25	-0.77	1.47	211.54	0.34	SlimPulse	0		
34	3287.00	0.28	313.48	94.00	3286.98	1.25	-1.26	-1.13	1.69	222.08	0.43	SlimPulse	0		
35	3382.00	0.29	69.77	95.00	3381.98	1.00	-1.01	-1.08	1.48	226.81	0.52	SlimPulse	0		
36	3477.00	0.25	136.14	95.00	3476.98	1.07	-1.08	-0.70	1.29	213.20	0.32	SlimPulse	0		
37	3572.00	0.26	41.49	95.00	3571.98	1.06	-1.06	-0.42	1.14	201.40	0.40	SlimPulse	0		
38	3667.00	0.22	337.06	95.00	3666.98	0.73	-0.73	-0.34	0.81	205.04	0.27	SlimPulse	0		
39	3762.00	0.21	249.42	95.00	3761.98	0.63	-0.63	-0.58	0.85	222.46	0.31	SlimPulse	0		
40	3857.00	0.26	167.79	95.00	3856.98	0.90	-0.90	-0.69	1.14	217.49	0.33	SlimPulse	0		
41	3951.00	0.22	67.41	94.00	3950.98	1.04	-1.04	-0.48	1.15	204.78	0.39	SlimPulse	0		
42	4046.00	0.17	318.70	95.00	4045.98	0.86	-0.87	-0.41	0.96	205.27	0.33	SlimPulse	0		
43	4141.00	0.29	4.54	95.00	4140.98	0.51	-0.52	-0.48	0.71	223.10	0.22	SlimPulse	0		
44	4236.00	0.28	307.40	95.00	4235.97	0.13	-0.13	-0.65	0.66	258.23	0.29	SlimPulse	0		
45	4331.00	0.26	217.84	95.00	4330.97	0.16	-0.17	-0.96	0.98	260.18	0.40	SlimPulse	0		
46	4426.00	0.28	263.23	95.00	4425.97	0.36	-0.37	-1.32	1.37	254.58	0.22	SlimPulse	0		
47	4521.00	0.28	167.05	95.00	4520.97	0.61	-0.62	-1.50	1.62	247.50	0.44	SlimPulse	0		
48	4615.00	0.21	151.50	94.00	4614.97	0.99	-1.00	-1.37	1.69	233.83	0.11	SlimPulse	0		
49	4711.00	0.38	315.16	166.00	4710.97	0.86	-0.87	-1.61	1.83	241.67	0.35	SlimPulse	0		
50	4972.00	0.46	295.57	191.00	4971.97	0.07	-0.09	-2.76	2.76	268.21	0.08	SlimPulse	0		
51	5110.00	0.55	159.92	138.00	5109.96	0.46	-0.47	-3.03	3.06	261.08	0.68	SlimPulse	0		
52	5141.00	0.56	330.57	31.00	5140.96	0.46	-0.48	-3.05	3.09	261.00	3.60	SlimPulse	0		
53	5173.00	0.40	121.07	32.00	5172.96	0.38	-0.40	-3.03	3.06	262.42	2.92	SlimPulse	0		
54	5205.00	0.34	19.73	32.00	5204.96	0.35	-0.37	-2.90	2.93	262.72	1.80	SlimPulse	0		
55	5300.00	0.05	334.13	95.00	5299.96	0.05	-0.07	-2.82	2.82	268.66	0.33	SlimPulse	0		
56	5395.00	0.10	237.37	95.00	5394.96	0.06	-0.08	-2.91	2.91	268.51	0.13	SlimPulse	0		
57	5489.00	0.10	220.02	94.00	5488.96	0.17	-0.18	-3.04	3.04	266.54	0.03	SlimPulse	0		
58	5584.00	0.08	92.03	95.00	5583.96	0.23	-0.25	-3.03	3.04	265.29	0.17	SlimPulse	0		
59	5679.00	0.07	195.38	95.00	5678.96	0.29	-0.31	-2.98	2.99	264.12	0.12	SlimPulse	0		
60	5774.00	0.08	120.85	95.00	5773.96	0.38	-0.39	-2.94	2.96	262.36	0.09	SlimPulse	0		
61	5869.00	0.25	245.76	95.00	5868.96	0.49	-0.51	-3.07	3.11	260.55	0.31	SlimPulse	0		
62	5964.00	0.22	2.34	95.00	5963.96	0.39	-0.41	-3.25	3.28	262.76	0.42	SlimPulse	0		
63	6059.00	0.21	94.62	95.00	6058.96	0.23	-0.24	-3.07	3.08	265.44	0.33	SlimPulse	0		
64	6154.00	0.33	134.57	95.00	6153.96	0.43	-0.45	-2.70	2.74	260.58	0.22	SlimPulse	0		
65	6249.00	3.34	76.91	95.00	6248.90	0.01	-0.01	0.19	0.19	93.21	3.35	SlimPulse	0		
66	6280.00	4.68	72.67	31.00	6279.83	-0.56	0.57	2.27	2.34	75.91	4.40	SlimPulse	0		
67	6324.00	6.75	68.70	44.00	6323.60	-2.01	2.04	6.40	6.72	72.27	4.81	SlimPulse	0		
68	6356.00	8.27	68.34	32.00	6355.33	-3.52	3.58	10.29	10.89	70.83	4.74	SlimPulse	0		
69	6387.00	8.73	66.06	31.00	6385.99	-5.27	5.36	14.51	15.47	69.74	1.84	SlimPulse	0		
70	6419.00	8.53	65.29	32.00	6417.63	-7.22	7.33	18.89	20.26	68.78	0.73	SlimPulse	0		
71	6451.00	8.45	65.57	32.00	6449.28	-9.15	9.30	23.18	24.98	68.15	0.26	SlimPulse	0		
72	6482.00	8.04	65.58	31.00	6479.95	-10.97	11.13	27.23	29.42	67.76	1.32	SlimPulse	0		
73	6514.00	7.50	64.42	32.00	6511.66	-12.77	12.96	31.15	33.74	67.41	1.77	SlimPulse	0		
74	6546.00	6.88	64.75	32.00	6543.41	-14.47	14.68	34.77	37.74	67.11	1.95	SlimPulse	0		
75	6577.00	6.13	64.49	31.00	6574.21	-15.95	16.19	37.94	41.25	66.90	2.40	SlimPulse	0		
76	6609.00	5.15	63.35	32.00	6606.05	-17.32	17.56	40.77	44.39	66.69	3.10	SlimPulse	0		
77	6641.00	3.95	62.84	32.00	6637.95	-18.45	18.71	43.03	46.92	66.50	3.73	SlimPulse	0		

105	8940.00	0.03	89.15	94.00	8936.85	-20.35	20.64	47.26	51.57	66.40	0.04	SlimPulse	0
106	9035.00	0.03	125.89	95.00	9031.85	-20.34	20.63	47.31	51.61	66.44	0.02	SlimPulse	0
107	9130.00	0.03	88.44	95.00	9126.85	-20.32	20.61	47.36	51.65	66.48	0.02	SlimPulse	0
108	9213.00	0.00	6.92	83.00	9209.85	-20.32	20.61	47.39	51.67	66.49	0.04	SlimPulse	0
109	9307.00	0.10	222.60	94.00	9303.85	-20.26	20.55	47.33	51.6	66.53	0.11	SlimPulse	0
110	9401.00	0.17	182.79	94.00	9397.85	-20.06	20.35	47.26	51.46	66.71	0.12	SlimPulse	0
111	9495.00	0.03	264.30	94.00	9491.85	-19.91	20.20	47.23	51.37	66.84	0.18	SlimPulse	0
112	9589.00	0.00	6.92	94.00	9585.85	-19.91	20.20	47.20	51.34	66.83	0.04	SlimPulse	0
113	9683.00	0.03	292.47	94.00	9679.85	-19.92	20.21	47.17	51.32	66.81	0.04	SlimPulse	0
114	9777.00	0.00	6.92	94.00	9773.85	-19.93	20.22	47.15	51.3	66.79	0.04	SlimPulse	0
115	9871.00	0.05	165.16	94.00	9867.85	-19.89	20.18	47.16	51.3	66.83	0.05	SlimPulse	0
116	9965.00	0.00	6.92	94.00	9961.85	-19.86	20.14	47.17	51.29	66.87	0.05	SlimPulse	0
117	10059.00	0.00	6.92	94.00	10055.85	-19.86	20.14	47.17	51.29	66.87	0.00	SlimPulse	0
118	10153.00	0.05	203.97	94.00	10149.85	-19.82	20.11	47.15	51.26	66.90	0.05	SlimPulse	0
119	10202.00	0.10	201.66	49.00	10198.85	-19.76	20.05	47.13	51.22	66.96	0.11	SlimPulse	0
120	10296.00	0.14	181.44	94.00	10292.85	-19.57	19.86	47.09	51.11	67.14	0.06	SlimPulse	0
121	10391.00	0.17	184.18	95.00	10387.85	-19.31	19.60	47.08	51	67.40	0.04	SlimPulse	0
122	10486.00	0.14	182.81	95.00	10482.85	-19.06	19.34	47.06	50.88	67.66	0.04	SlimPulse	0
123	10581.00	0.08	198.07	95.00	10577.85	-18.88	19.17	47.04	50.8	67.83	0.07	SlimPulse	0
124	10675.00	0.08	184.72	94.00	10671.85	-18.76	19.05	47.01	50.73	67.95	0.02	SlimPulse	0
125	10718.00	1.45	165.60	43.00	10714.84	-18.20	18.49	47.15	50.64	68.59	3.21	SlimPulse	0
126	10749.00	6.03	155.83	31.00	10745.77	-16.29	16.58	47.81	50.6	70.88	14.80	SlimPulse	0
127	10781.00	9.39	171.58	32.00	10777.48	-12.12	12.42	48.77	50.33	75.72	11.53	SlimPulse	0
128	10813.00	13.05	176.91	32.00	10808.86	-5.92	6.23	49.35	49.74	82.81	11.89	SlimPulse	0
129	10844.00	17.92	181.85	31.00	10838.73	2.34	-2.04	49.38	49.42	92.37	16.27	SlimPulse	0
130	10876.00	22.95	185.41	32.00	10868.70	13.48	-13.18	48.63	50.39	105.16	16.18	SlimPulse	0
131	10908.00	26.81	186.18	32.00	10897.73	26.86	-26.57	47.27	54.22	119.34	12.09	SlimPulse	0
132	10939.00	29.18	184.06	31.00	10925.10	41.34	-41.06	45.98	61.65	131.77	8.31	SlimPulse	0
133	10971.00	31.57	181.04	32.00	10952.71	57.50	-57.23	45.28	72.97	141.65	8.86	SlimPulse	0
134	11003.00	34.17	177.64	32.00	10979.58	74.86	-74.59	45.49	87.36	148.62	9.96	SlimPulse	0
135	11034.00	36.99	175.70	31.00	11004.79	92.87	-92.59	46.55	103.63	153.31	9.78	SlimPulse	0
136	11066.00	39.96	175.54	32.00	11029.84	112.73	-112.44	48.07	122.28	156.85	9.29	SlimPulse	0
137	11098.00	42.97	175.85	32.00	11053.82	133.86	-133.56	49.66	142.49	159.60	9.42	SlimPulse	0
138	11130.00	45.78	176.92	32.00	11076.69	156.20	-155.89	51.07	164.04	161.86	9.10	SlimPulse	0
139	11161.00	47.88	178.41	31.00	11097.90	178.79	-178.48	51.98	185.9	163.76	7.63	SlimPulse	0
140	11193.00	49.83	180.48	32.00	11118.96	202.89	-202.57	52.21	209.19	165.55	7.80	SlimPulse	0
141	11225.00	51.68	181.27	32.00	11139.20	227.66	-227.35	51.83	233.18	167.16	6.11	SlimPulse	0
142	11256.00	54.03	181.70	31.00	11157.92	252.36	-252.05	51.19	257.2	168.52	7.65	SlimPulse	0
143	11288.00	56.75	180.98	32.00	11176.09	278.68	-278.38	50.57	282.93	169.70	8.70	SlimPulse	0
144	11320.00	59.67	179.80	32.00	11192.95	305.87	-305.57	50.39	309.7	170.64	9.65	SlimPulse	0
145	11351.00	61.91	179.12	31.00	11208.08	332.93	-332.63	50.65	336.46	171.34	7.49	SlimPulse	0
146	11383.00	65.18	179.18	32.00	11222.33	361.57	-361.27	51.07	364.86	171.95	10.21	SlimPulse	0
147	11415.00	69.33	179.31	32.00	11234.70	391.08	-390.77	51.46	394.15	172.50	12.99	SlimPulse	0
148	11444.00	71.81	180.17	29.00	11244.35	418.42	-418.12	51.58	421.29	172.97	9.00	SlimPulse	0
149	11476.00	74.15	180.18	32.00	11253.71	449.02	-448.71	51.49	451.66	173.45	7.32	SlimPulse	0
150	11508.00	77.32	180.03	32.00	11261.60	480.03	-479.72	51.43	482.47	173.88	9.90	SlimPulse	0
151	11539.00	79.55	179.96	31.00	11267.81	510.40	-510.09	51.43	512.68	174.24	7.19	SlimPulse	0
152	11570.00	81.68	180.50	31.00	11272.87	540.98	-540.67	51.31	543.1	174.58	7.10	SlimPulse	0
153	11602.00	83.38	180.81	32.00	11277.02	572.70	-572.40	50.95	574.66	174.91	5.40	SlimPulse	0
154	11633.00	84.24	181.22	31.00	11280.37	603.51	-603.21	50.41	605.32	175.22	3.07	SlimPulse	0
155	11665.00	86.04	181.40	32.00	11283.08	635.38	-635.09	49.68	637.03	175.53	5.65	SlimPulse	0
156	11697.00	87.59	181.40	32.00	11284.85	667.32	-667.03	48.90	668.82	175.81	4.83	SlimPulse	0
157	11740.00	89.62	181.03	43.00	11285.90	710.28	-710.00	47.99	711.62	176.13	4.81	SlimPulse	0
158	11772.00	90.41	180.75	32.00	11285.89	742.28	-742.00	47.49	743.52	176.34	2.62	SlimPulse	0
159	11803.00	91.13	180.57	31.00	11285.47	773.27	-773.00	47.14	774.43	176.51	2.40	SlimPulse	0
160	11835.00	90.96	180.67	32.00	11284.89	805.26	-804.99	46.79	806.35	176.67	0.63	SlimPulse	0
161	11866.00	91.00	180.66	31.00	11284.36	836.25	-835.98	46.43	837.27	176.82	0.12	SlimPulse	0
162	11898.00	90.96	180.94	32.00	11283.81	868.24	-867.97	45.98	869.19	176.97	0.90	SlimPulse	0
163	11930.00	90.76	180.38	32.00	11283.33	900.23	-899.97	45.61	901.12	177.10	1.86	SlimPulse	0
164	11961.00	91.00	180.48	31.00	11282.85	931.22	-930.96	45.38	932.07	177.21	0.84	SlimPulse	0
165	12056.00	91.34	180.54	95.00	11280.92	1026.19	-1025.94	44.53	1026.91	177.51	0.37	SlimPulse	0
166	12120.00	91.31	180.50	64.00	11279.44	1090.17	-1089.92	43.95	1090.81	177.69	0.08	SlimPulse	0
167	12152.00	91.31	180.32	32.00	11278.71	1122.16	-1121.91	43.72	1122.76	177.77	0.54	SlimPulse	0
168	12247.00	90.89	179.91	95.00	11276.88	1217.14	-1216.89	43.53	1217.67	177.95	0.62	SlimPulse	0
169	12342.00	90.31	179.66	95.00	11275.89	1312.13	-1311.89	43.89	1312.62	178.08	0.67	SlimPulse	0
170	12437.00	90.17	179.78	95.00	11275.49	1407.13	-1406.88	44.36	1407.58	178.19	0.19	SlimPulse	0
171	12532.00	89.97	179.28	95.00	11275.37	1502.13	-1501.88	45.14	1502.56	178.28	0.56	SlimPulse	0
172	12596.00	91.00	180.13	64.00	11274.84	1566.12	-1565.88	45.47	1566.54	178.34	2.08	SlimPulse	0
173	12628.00	90.38	180.14	32.00	11274.45	1598.12	-1597.87	45.40	1598.52	178.37	1.94	SlimPulse	0
174	12723.00	90.10	180.25	95.00	11274.05	1693.12	-1692.87	45.08	1693.47	178.47	0.31	SlimPulse	0
175	12819.00	89.83	179.98	96.00	11274.11	1789.11	-1788.87	44.89	1789.43	178.56	0.40	SlimPulse	0
176	12915.00	89.93	180.07	96.00	11274.31	1885.11	-1884.87	44.84	1885.4	178.64	0.14	SlimPulse	0
177	12978.00	89.90	179.77	63.00	11274.41	1948.11	-1947.87	44.93	1948.39	178.68	0.48	SlimPulse	0
178	13010.00	90.00	179.86	32.00	11274.43	1980.11	-1979.87	45.03	1980.38	178.70	0.43	SlimPulse	0
179	13106.00	89.42	179.44	96.00	11274.92	2076.11	-2075.87	45.62	2076.37	178.74	0.75	SlimPulse	0
180	13202.00	89.48	179.49	96.00	11275.85	2172.10	-2171.86	46.51	2172.36	178.77	0.09	SlimPulse	0
181	13297.00	89.45	180.19	95.00	11276.73	2267.10	-2266.85	46.78	2267.34	178.82	0.74	SlimPulse	0
182	13393.00	89.48	180.30	96.00	11277.62	2363.09	-2362.85	46.37	2363.3	178.88	0.12	SlimPulse	0
183	13489.00	89.31	181.02	96.00	11278.63	2459.07	-2458.84	45.26	2459.25	178.95	0.77	SlimPulse	0
184	13585.00	89.17	181.29	96.00	11279.90	2555.03	-2554.81	43.32	2555.18	179.03	0.32	SlimPulse	0
185	13680.00	88.90	181.64	95.00	11281.50	2649.96	-2649.76	40.90	2650.08	179.12	0.46	SlimPulse	0
186	13776.00	88.83	181.58	96.00	11283.40	2745.89	-2745.71	38.20	2745.97	179.20	0.09	SlimPulse	0
187	13872.00	89.31	181.24	96.00	11284.95	2841.83	-2841.66	35.84	2841.89	179.28	0.61	SlimPulse	0
188	13967.00	89.21	181.18	95.00	11286.18	2936.79	-2936.64	33.83	2936.83	179.34	0.13	SlimPulse	0
189	14061.00	89.24	180.42	94.00	11287.45	3030.76	-3030.62	32.51	3030.79	179.39			

FINAL PvA

[illegible]

Grid North
Tot Corr (M->G 6.9268°)
Mag Dec (7.410°)
Grid Conv (0.483°)



Drawn By: MShedler
Date Created: May 23, 2013 09:42:27 AM
Checked By:
Checked Date:
Approved By:
Approved Date: