

Results of Directional Survey

30-025-32577

EOG RESOURCES INC
RED HILLS NORTH UNIT # 703

	MD	N/S	E/W	VD
	11870	-10.61	260.06	11865.2
TOP PERFS/OH	12606	-205.37	-323.31	12136.68
	12986	-305.93	-624.51	12276.84
	14979	-1312.49	-2336.35	12263.38
BOT PERFS/OH	15000	-1323.62	-2355.42	12262.68
	15012	-1329.98	-2366.31	12262.28

NEXT TO LAST	15074	-1362.86	-2418.99	12281.10
LAST READING	15105	-1379.02	-2405.32	12281.15
TD	15218	-1437.93	-2355.49	12281.33

Surface Location	988	FS	991	FW
Projected BHL	450	FN	1364	FE
Location of				
Top Perfs/OH	783	FS	668	FW
Bottom Perfs/OH	336	FN	1364	FE

SUMMARY of Subsurface Locations

Surface Location	M-7-25S-34E	988	FS	991	FW	Vert. Depth
Top Perfs/OH	M-7-25S-34E	783	FS	668	FW	12136.68
Bottom Perfs/OH	B-13-25S-33E	336	FN	1364	FE	12262.68
Projected TD	B-13-25S-33E	450	FN	1364	FE	12281.33

A Gyrodata Directional Survey

for

EOG RESOURCES

Well: R.H.N.U #703, 2-7/8" Drillpipe
Location: McVay #10, Lea County, New Mexico

Job Number: MD0703GW220

Run Date: 7/2/2003 6:43:00 AM

Surveyor: James Butler

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 38.140400 deg. N Longitude: 103.513800 deg. W

Azimuth Correction:

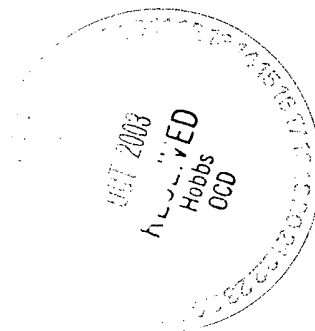
Gyro: 0.44000 deg East to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

M-7-25s-34e, 988/S & 991/W
B-13-25s-33e, 450/N & 1364/E
API # 30-025-32577



A Gyrodata Directional Survey

EOG Resources

Well: R.H.N.U #703, 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

Job Number: MD0703GW220

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E
0 - 11870 FT RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 2-7/8" DRILLPIPE ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO MCVAY #10 R.K.B							
100.00	0.60	113.97	S 66 2 E	0.60	100.00	0.5 114.0	0.21 S 0.48 E
200.00	0.63	116.37	S 63 38 E	0.04	199.99	1.6 114.8	0.67 S 1.45 E
300.00	0.69	104.03	S 75 58 E	0.16	299.99	2.7 112.7	1.06 S 2.52 E
400.00	0.77	88.42	N 88 25 E	0.21	399.98	4.0 107.4	1.19 S 3.78 E
500.00	0.92	76.07	N 76 4 E	0.23	499.97	5.3 100.5	0.97 S 5.23 E
600.00	1.01	75.23	N 75 14 E	0.09	599.95	6.9 94.6	0.56 S 6.86 E
700.00	1.14	74.05	N 74 3 E	0.13	699.94	8.7 90.4	0.06 S 8.67 E
800.00	1.22	71.46	N 71 27 E	0.10	799.91	10.6 87.0	0.55 N 10.63 E
900.00	1.26	69.76	N 69 46 E	0.06	899.89	12.7 84.3	1.27 N 12.67 E
1000.00	1.30	70.42	N 70 25 E	0.04	999.87	14.9 82.2	2.03 N 14.77 E
1100.00	1.32	70.88	N 70 53 E	0.02	1099.84	17.2 80.6	2.79 N 16.93 E
1200.00	1.31	70.93	N 70 56 E	0.01	1199.81	19.4 79.5	3.54 N 19.09 E
1300.00	1.18	66.80	N 66 48 E	0.15	1299.79	21.6 78.4	4.32 N 21.11 E
1400.00	1.08	65.80	N 65 48 E	0.11	1399.77	23.5 77.4	5.11 N 22.92 E
1500.00	1.05	66.50	N 66 30 E	0.03	1499.75	25.3 76.6	5.86 N 24.62 E
1600.00	1.02	66.28	N 66 17 E	0.03	1599.74	27.1 75.9	6.58 N 26.27 E
1700.00	1.04	64.20	N 64 12 E	0.04	1699.72	28.8 75.3	7.33 N 27.90 E
1800.00	1.04	66.15	N 66 9 E	0.04	1799.70	30.6 74.7	8.09 N 29.54 E
1900.00	0.92	66.68	N 66 41 E	0.12	1899.69	32.3 74.2	8.78 N 31.10 E
2000.00	0.83	66.33	N 66 20 E	0.09	1999.68	33.8 73.9	9.38 N 32.50 E

EOG Resources

Well: R.H.N.U #703, 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

Job Number: MD0703GW220

A Gyrodata Directional Survey

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEGS SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2100.00	0.67	68.29	N 68 18 E	0.16	2099.67	35.1 73.7	9.89 N 33.70 E
2200.00	0.67	68.62	N 68 37 E	0.01	2199.66	36.3 73.5	10.32 N 34.79 E
2300.00	0.65	73.27	N 73 16 E	0.06	2299.66	37.4 73.4	10.69 N 35.88 E
2400.00	0.63	75.66	N 75 40 E	0.04	2399.65	38.6 73.4	10.99 N 36.95 E
2500.00	0.64	82.66	N 82 39 E	0.08	2499.64	39.6 73.6	11.20 N 38.03 E
2600.00	0.69	81.97	N 81 58 E	0.05	2599.64	40.8 73.8	11.35 N 39.18 E
2700.00	0.82	82.90	N 82 54 E	0.13	2699.63	42.1 74.1	11.53 N 40.48 E
2800.00	0.97	86.89	N 86 53 E	0.16	2799.62	43.6 74.5	11.66 N 42.04 E
2900.00	1.06	87.42	N 87 26 E	0.09	2899.60	45.3 75.0	11.75 N 43.80 E
3000.00	1.25	86.62	N 86 37 E	0.19	2999.58	47.3 75.5	11.85 N 45.81 E
3100.00	1.42	85.92	N 85 55 E	0.17	3099.55	49.6 76.0	12.01 N 48.14 E
3200.00	1.79	84.81	N 84 49 E	0.37	3199.51	52.4 76.5	12.24 N 50.93 E
3300.00	2.05	86.58	N 86 35 E	0.26	3299.46	55.7 77.0	12.48 N 54.27 E
3400.00	2.32	85.09	N 85 6 E	0.28	3399.39	59.5 77.6	12.76 N 58.07 E
3500.00	2.63	87.40	N 87 24 E	0.33	3499.29	63.7 78.2	13.04 N 62.38 E
3600.00	2.76	87.92	N 87 55 E	0.13	3599.18	68.4 78.8	13.23 N 67.07 E
3700.00	2.91	90.61	S 89 24 E	0.20	3699.06	73.2 79.5	13.29 N 72.01 E
3800.00	3.11	98.05	S 81 57 E	0.44	3798.92	78.3 80.5	12.88 N 77.24 E
3900.00	3.13	98.55	S 81 27 E	0.03	3898.77	83.5 81.7	12.10 N 82.63 E
4000.00	3.21	97.61	S 82 24 E	0.09	3998.62	88.8 82.7	11.32 N 88.11 E
4100.00	3.09	100.49	S 79 31 E	0.20	4098.47	94.1 83.6	10.46 N 93.53 E
4200.00	2.79	104.89	S 75 6 E	0.37	4198.34	99.0 84.6	9.34 N 98.53 E
4300.00	2.77	104.90	S 75 6 E	0.03	4298.22	107.5 85.5	8.10 N 103.22 E
4400.00	2.79	105.96	S 74 2 E	0.06	4398.10	108.1 86.4	6.81 N 107.88 E

EOG Resources

Well: R.H.N.U #703, 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

Job Number: MD0703GW220

A Gyrodata Directional Survey

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4500.00	3.19	102.74	S 77 16 E	0.44	4497.97	113.1 87.2	5.53 N 112.94 E
4600.00	3.39	101.56	S 78 27 E	0.21	4597.80	118.6 87.9	4.32 N 118.55 E
4700.00	3.45	102.18	S 77 49 E	0.08	4697.62	124.4 88.6	3.09 N 124.38 E
4800.00	3.59	102.76	S 77 14 E	0.14	4797.43	130.4 89.2	1.77 N 130.38 E
4900.00	3.83	105.57	S 74 26 E	0.30	4897.23	136.6 89.9	0.18 N 136.64 E
5000.00	3.95	105.90	S 74 6 E	0.12	4996.99	143.2 90.7	1.66 S 143.17 E
5100.00	3.25	109.49	S 70 30 E	0.74	5096.80	149.2 91.4	3.55 S 149.16 E
5200.00	2.64	109.20	S 70 48 E	0.61	5196.66	154.1 92.0	5.25 S 154.01 E
5300.00	1.95	108.24	S 71 46 E	0.70	5296.58	157.9 92.4	6.54 S 157.80 E
5400.00	2.00	107.34	S 72 39 E	0.06	5396.52	161.3 92.7	7.59 S 161.07 E
5500.00	2.01	106.64	S 73 22 E	0.03	5496.46	164.6 93.0	8.62 S 164.42 E
5600.00	1.83	105.83	S 74 10 E	0.18	5596.41	167.9 93.3	9.55 S 167.64 E
5700.00	1.78	103.42	S 76 35 E	0.09	5696.36	171.0 93.5	10.35 S 170.69 E
5800.00	1.74	103.30	S 76 42 E	0.04	5796.31	174.0 93.6	11.06 S 173.67 E
5900.00	1.69	103.40	S 76 36 E	0.05	5896.27	177.0 93.8	11.75 S 176.59 E
6000.00	1.71	102.26	S 77 44 E	0.0	5996.22	179.9 94.0	12.41 S 179.48 E
6100.00	1.60	103.28	S 76 43 E	0.12	6096.18	182.8 94.1	13.05 S 182.30 E
6200.00	1.50	103.95	S 76 3 E	0.10	6196.14	185.4 94.2	13.68 S 184.92 E
6300.00	1.53	102.73	S 77 16 E	0.04	6296.11	188.0 94.4	14.29 S 187.49 E
6400.00	1.55	102.87	S 77 8 E	0.02	6396.07	190.7 94.5	14.89 S 190.11 E
6500.00	1.41	99.95	S 80 3 E	0.16	6496.04	193.3 94.6	15.40 S 192.64 E
6600.00	1.37	100.06	S 79 56 E	0.05	6596.01	195.7 94.6	15.82 S 195.03 E
6700.00	1.44	97.59	S 82 24 E	0.10	6695.98	198.1 94.7	16.20 S 197.45 E
6800.00	1.39	96.58	S 83 25 E	0.06	6795.95	200.6 94.7	16.50 S 199.90 E

A Gyrodata Directional Survey

EOG Resources

Well: R.H.N.U #703, 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

Job Number: MD0703GW220

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6900.00	1.43	98.60	S 81 24 E	0.07	6895.92	203.0 94.8	16.83 S 202.34 E
7000.00	1.27	97.42	S 82 35 E	0.16	6995.89	205.4 94.8	17.16 S 204.67 E
7100.00	1.24	94.67	S 85 20 E	0.07	7095.87	207.6 94.8	17.39 S 206.85 E
7200.00	1.18	90.98	S 89 1 E	0.10	7195.84	209.7 94.8	17.49 S 208.96 E
7300.00	1.13	92.73	S 87 16 E	0.06	7295.82	211.7 94.8	17.56 S 210.97 E
7400.00	1.11	88.83	N 81 50 E	0.08	7395.80	213.6 94.7	17.59 S 212.92 E
7500.00	1.13	83.82	N 83 49 E	0.10	7495.79	215.6 94.6	17.46 S 214.87 E
7600.00	1.10	82.23	N 82 14 E	0.04	7595.77	217.5 94.5	17.22 S 216.81 E
7700.00	0.99	82.38	N 82 23 E	0.11	7695.75	219.3 94.4	16.98 S 218.61 E
7800.00	0.91	91.04	S 88 58 E	0.16	7795.74	220.9 94.4	16.88 S 220.26 E
7900.00	0.72	105.92	S 74 5 E	0.29	7895.73	222.3 94.4	17.07 S 221.66 E
8000.00	0.75	111.41	S 68 35 E	0.08	7995.72	223.6 94.5	17.48 S 222.88 E
8100.00	0.64	125.94	S 54 4 E	0.21	8095.71	224.7 94.6	18.05 S 223.95 E
8200.00	0.65	134.22	S 45 47 E	0.09	8195.70	225.6 94.8	18.77 S 224.81 E
8300.00	0.71	145.11	S 34 53 E	0.14	8295.70	226.4 95.0	19.68 S 225.57 E
8400.00	0.69	139.93	S 40 4 E	0.07	8395.69	227.2 95.2	20.65 S 226.31 E
8500.00	0.67	141.90	S 38 6 E	0.03	8495.68	228.1 95.4	21.56 S 227.05 E
8600.00	0.73	150.76	S 29 14 E	0.13	8595.68	228.8 95.7	22.58 S 227.73 E
8700.00	0.84	154.09	S 25 54 E	0.11	8695.67	229.6 95.9	23.80 S 228.36 E
8800.00	0.81	150.05	S 29 57 E	0.06	8795.66	230.4 96.2	25.07 S 229.03 E
8900.00	0.82	158.86	S 21 8 E	0.13	8895.65	231.1 96.5	26.35 S 229.64 E
9000.00	0.86	155.92	S 24 5 E	0.06	8995.63	231.9 96.9	27.70 S 230.21 E
9100.00	0.78	156.62	S 23 23 E	0.08	9095.62	232.6 97.2	29.01 S 230.78 E
9200.00	0.70	152.69	S 27 19 E	0.09	9195.62	233.3 97.4	30.17 S 231.33 E

A Gyrodata Directional Survey

EOG Resources

Well: R.H.N.U #703, 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

Job Number: MD0703GW220

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9300.00	0.63	143.55	S 36 27 E	0.13	9295.61	234.0 97.7	31.15 S 231.94 E
9400.00	0.63	107.67	S 72 20 E	0.39	9395.60	234.9 97.8	31.76 S 232.78 E
9500.00	0.65	89.80	N 89 48 E	0.20	9495.60	236.0 97.8	31.92 S 233.86 E
9600.00	0.68	90.10	S 89 54 E	0.03	9595.59	237.2 97.7	31.92 S 235.02 E
9700.00	1.07	85.98	N 85 59 E	0.40	9695.58	238.7 97.7	31.86 S 236.55 E
9800.00	1.39	86.18	N 86 11 E	0.32	9795.56	240.8 97.6	31.71 S 238.69 E
9900.00	1.37	84.06	N 88 3 E	0.05	9895.53	243.2 97.5	31.59 S 241.10 E
10000.00	1.32	87.21	N 87 13 E	0.05	9995.50	245.5 97.4	31.49 S 243.44 E
10100.00	0.86	58.44	N 58 26 E	0.70	10095.48	247.2 97.2	31.04 S 245.23 E
10200.00	0.72	39.01	N 39 0 E	0.30	10195.47	248.1 97.0	30.16 S 246.27 E
10300.00	0.72	27.29	N 27 18 E	0.15	10295.46	248.7 96.7	29.12 S 246.95 E
10400.00	0.71	27.01	N 27 1 E	0.01	10395.46	249.1 96.5	28.00 S 247.52 E
10500.00	0.42	10.46	N 10 28 E	0.34	10495.45	249.3 96.2	27.09 S 247.87 E
10600.00	0.16	1.17	N 1 10 E	0.26	10595.45	249.4 96.1	26.59 S 247.94 E
10700.00	0.16	84.89	N 84 54 E	0.22	10695.45	249.5 96.1	26.43 S 248.08 E
10800.00	0.21	55.79	N 55 47 E	0.11	10795.45	249.8 96.0	26.32 S 248.38 E
10900.00	0.18	121.06	S 58 57 E	0.21	10895.45	250.0 96.0	26.30 S 248.66 E
11000.00	0.12	82.98	N 82 59 E	0.11	10995.45	250.3 96.0	26.36 S 248.90 E
11100.00	0.72	67.74	N 67 44 E	0.60	11095.45	250.9 96.0	26.12 S 249.58 E
11200.00	1.18	45.61	N 45 36 E	0.59	11195.43	252.2 95.7	25.16 S 250.90 E
11300.00	1.53	44.38	N 44 23 E	0.34	11295.40	253.7 95.3	23.48 S 252.56 E
11400.00	1.77	40.32	N 40 19 E	0.27	11395.36	255.4 94.8	21.35 S 254.49 E
11500.00	1.63	23.44	N 23 27 E	0.52	11495.32	256.8 94.2	18.87 S 256.06 E
11600.00	1.51	16.56	N 16 34 E	0.22	11595.28	257.5 93.6	16.30 S 257.00 E

A Gyrodata Directional Survey

EOG Resources

Well: R.H.N.U #703, 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

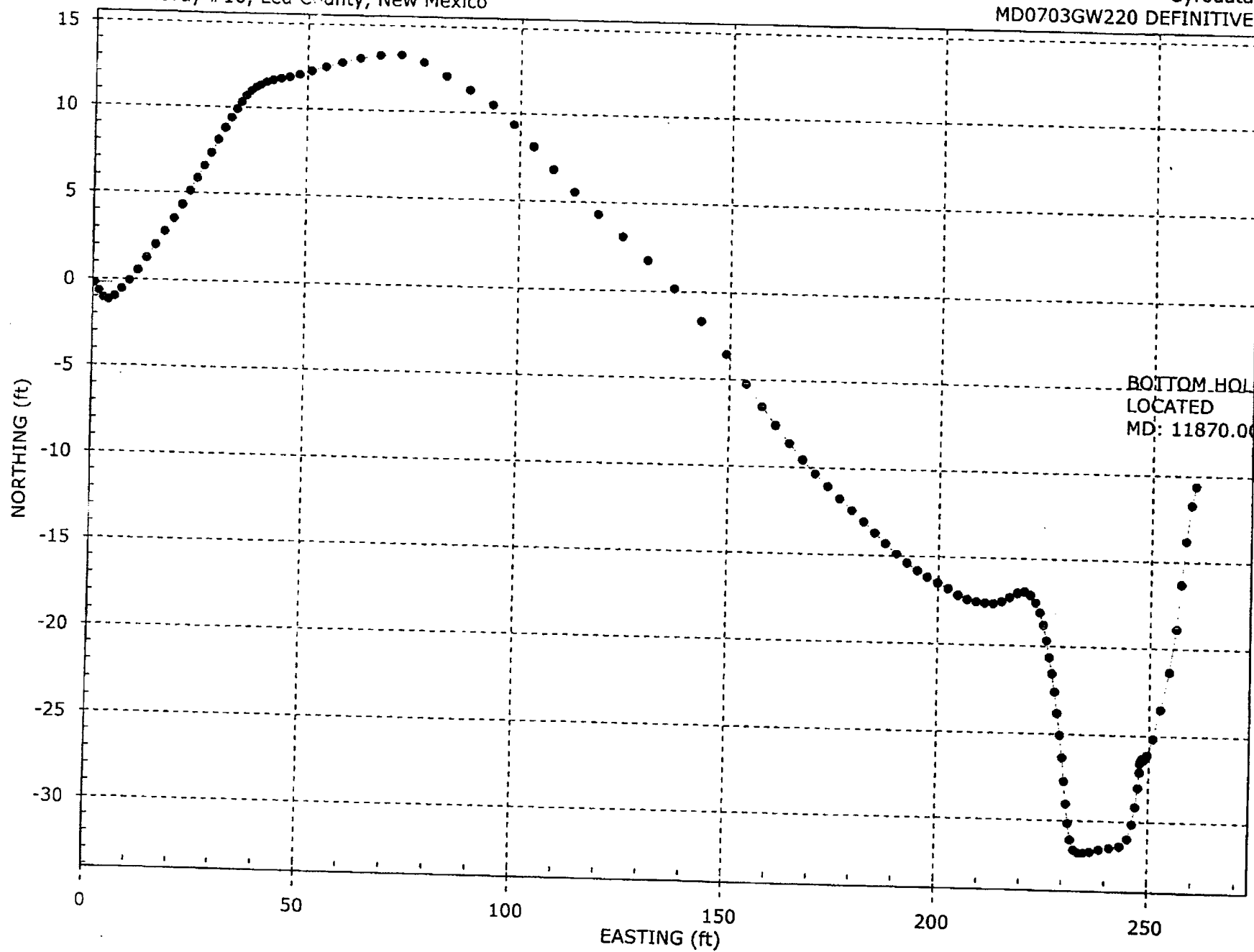
Job Number: MD0703GW220

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
11700.00	1.58	24.36	N 24 21 E	0.22	11695.25	258.3 93.1	13.78 S 257.95 E
11800.00	1.19	36.91	N 36 55 E	0.50	11795.22	259.4 92.6	11.69 S 259.14 E
11870.00	1.14	43.91	N 43 55 E	0.21	11865.20	260.3 92.3	10.61 S 260.06 E

Final Station Closure: Distance: 260.27 ft Az: 92.34 deg.

EOG Resources
Well: R.H.N.U #703 2-7/8" Drillpipe
Location: McVay #10, Lea County, New Mexico

Outrun
Gyrodata
MD0703GW220 DEFINITIVE



EOG Resources

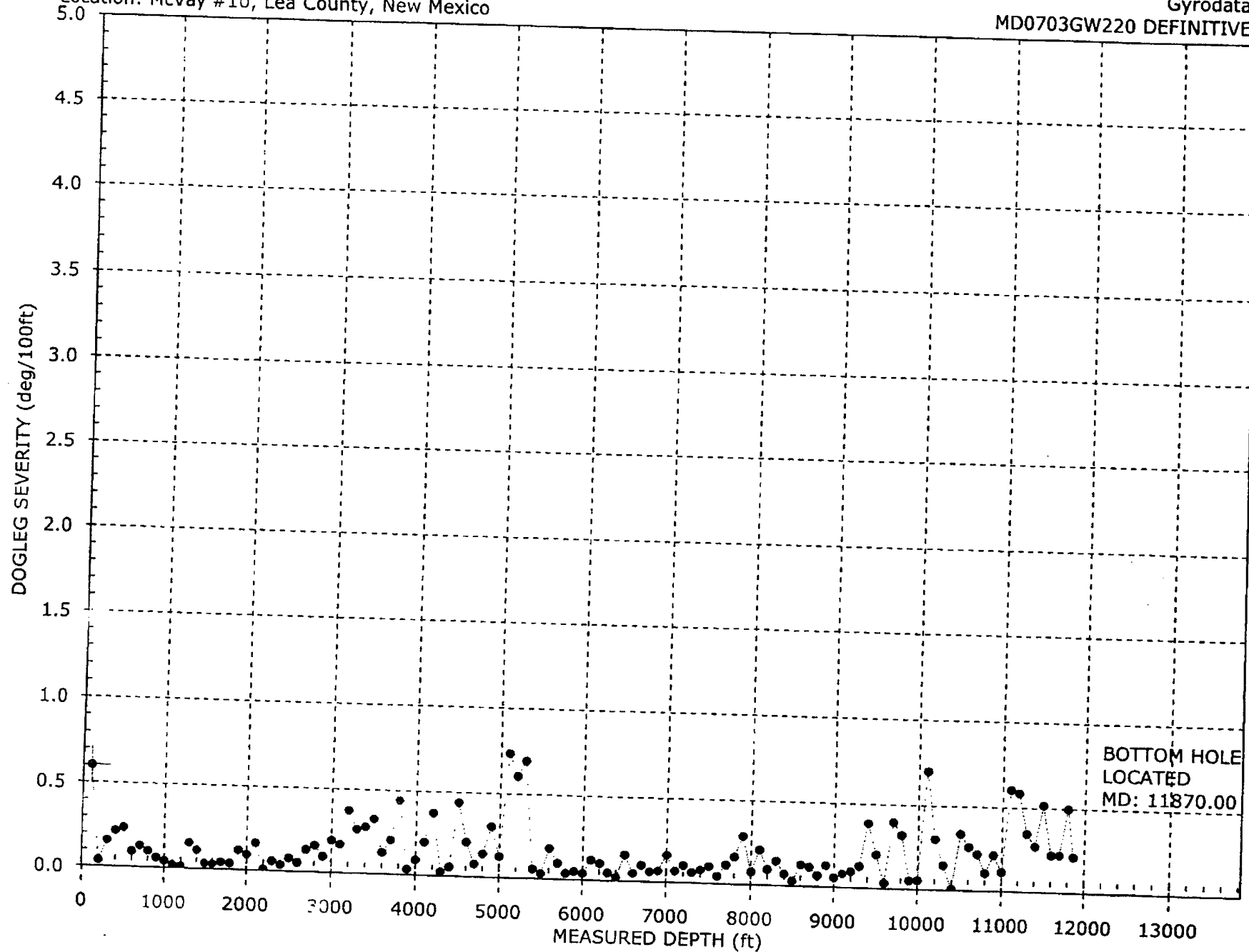
Well: R.H.N.U #703 2-7/8" Drillpipe

Location: McVay #10, Lea County, New Mexico

Outrun

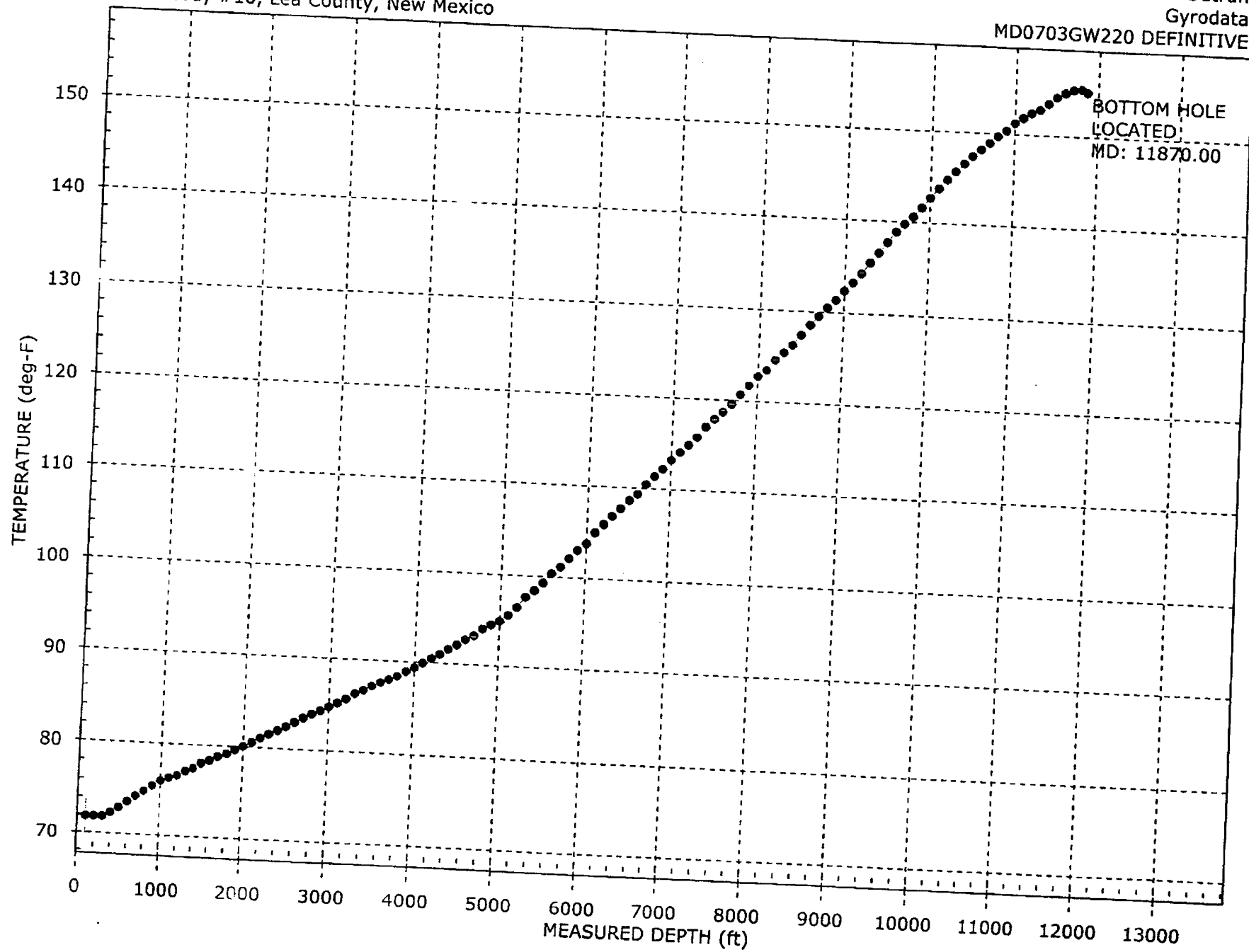
Gyrodata

MD0703GW220 DEFINITIVE



EOG Resources
Well: R.H.N.U #703 2-7/8" Drillpipe
Location: McVay #10, Lea County, New Mexico

Outrun
Gyrodata
MD0703GW220 DEFINITIVE





Survey Report



INTEQ

MIL. CHARTERED CALCULATIONS (MFC-0045)

OPERATOR: BOG RESOURCES
WELL: USMU 0703
LOCATION: LRA CO. N.M.
START: 07/17/2008
FINISH: 08/05/2008
JOB #: 000000

SIDETRACK #1

PROPOSED DIRECTION: 340.01
MAG TO GRID: 2.00

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLG/ 100
1	12988	90.50	237.10	12276.84	-305.83	-624.51	684.41	10.06
2	13018	88.20	233.80	12277.21	-324.12	-660.83	728.25	13.09
3	13082	92.10	230.10	12277.04	-389.64	-701.14	788.45	8.19
4	13114	92.20	228.70	12275.84	-384.24	-725.80	820.85	1.29
5	13146	90.70	230.10	12275.03	-404.84	-758.07	852.28	4.85
6	13178	88.20	230.80	12275.08	-428.22	-774.74	889.74	5.17
7	13210	89.00	231.80	12275.58	-446.22	-788.71	915.29	3.19
8	13241	88.70	233.80	12275.91	-463.94	-824.42	945.89	7.14
9	13273	90.30	236.00	12275.91	-482.65	-860.45	977.79	3.82
10	13304	89.50	236.70	12275.98	-499.95	-878.10	1008.67	6.09
11	13336	90.50	236.70	12275.98	-517.52	-902.85	1040.59	3.13
12	13367	90.80	237.40	12275.61	-534.38	-928.88	1071.52	2.46
13	13398	91.80	239.20	12274.91	-550.88	-955.28	1102.48	6.84
14	13429	91.00	240.60	12274.15	-568.20	-982.04	1133.47	5.20
15	13460	88.80	240.60	12273.99	-581.42	-1008.06	1164.47	4.82
16	13491	87.70	241.70	12274.72	-598.37	-1038.19	1195.46	7.08
17	13524	87.90	241.70	12275.99	-612.01	-1065.22	1226.48	0.81
18	13558	89.40	241.70	12276.74	-627.17	-1088.39	1268.41	4.88
19	13588	88.30	242.40	12277.38	-642.17	-1121.65	1292.40	4.07
20	13620	86.30	243.10	12276.89	-658.80	-1180.07	1324.34	6.82
21	13651	86.70	243.40	12280.79	-670.73	-1177.70	1355.28	1.61
22	13683	86.80	243.40	12282.80	-685.08	-1208.26	1387.17	0.81
23	13715	87.00	243.40	12284.33	-699.34	-1284.84	1418.09	0.88
24	13747	87.90	243.80	12285.75	-718.89	-1289.47	1451.02	3.08
25	13779	88.40	243.80	12286.78	-727.68	-1282.17	1482.98	1.98
26	13810	88.40	243.80	12287.95	-741.38	-1319.97	1513.91	0.00
27	13841	90.20	244.10	12288.09	-764.97	-1347.82	1544.89	5.89
28	13872	90.40	244.60	12287.87	-788.41	-1375.75	1575.80	1.44
29	13904	89.70	244.80	12287.84	-782.11	-1404.67	1607.73	2.38
30	13936	90.30	244.80	12287.84	-785.31	-1432.72	1638.85	1.94
31	13968	91.00	245.20	12287.49	-808.41	-1480.81	1689.57	2.80
32	13998	90.50	244.10	12287.07	-822.11	-1488.73	1701.49	8.78
33	14029	89.70	243.40	12287.01	-836.82	-1517.53	1732.45	3.43
34	14061	88.80	241.70	12287.40	-850.57	-1545.92	1784.43	5.87
35	14093	89.10	240.30	12287.99	-868.08	-1573.91	1788.49	4.42
36	14124	89.80	240.30	12288.28	-881.44	-1600.89	1827.43	2.28
37	14156	91.10	240.60	12288.01	-897.22	-1626.87	1858.42	4.17
38	14187	91.80	241.00	12287.31	-912.34	-1655.72	1880.41	1.82
39	14219	91.10	240.30	12286.88	-928.02	-1688.81	1922.41	2.62
40	14251	91.80	240.80	12285.74	-943.80	-1711.44	1954.39	2.87
41	14283	92.00	240.80	12284.85	-959.60	-1738.30	1988.38	0.81
42	14316	90.80	241.00	12283.87	-975.11	-1787.22	2018.37	3.88
43	14348	89.60	242.00	12283.78	-990.85	-1798.22	2051.36	4.73
44	14378	89.80	242.00	12283.89	-1004.84	-1822.71	2081.36	1.00
45	14410	92.80	241.30	12283.19	-1020.13	-1850.88	2113.34	8.72
46	14442	93.50	240.30	12281.49	-1035.71	-1878.78	2145.29	4.20
47	14473	94.70	240.30	12279.27	-1051.03	-1905.82	2178.21	3.87
48	14505	94.20	238.90	12278.79	-1068.84	-1933.27	2208.11	2.00
49	14537	93.50	239.20	12274.64	-1083.12	-1980.80	2240.03	3.59
50	14569	90.30	238.10	12272.58	-1115.36	-2013.71	2301.95	5.46
51	14601	89.90	238.50	12272.89	-1132.17	-2040.98	2339.82	1.77
52	14633	90.40	236.80	12272.44	-1148.82	-2068.38	2385.50	3.78
53	14664	90.50	236.80	12272.20	-1164.47	-2085.02	2388.89	2.29
54	14728	90.40	238.20	12271.86	-1180.89	-2122.48	2428.87	0.89
55	14757	91.70	239.20	12271.38	-1198.80	-2149.08	2458.85	4.19
56	14821	91.50	238.90	12268.99	-1229.70	-2209.85	2523.80	0.88
57	14882	90.70	239.20	12268.00	-1245.84	-2280.53	2584.78	2.78
58	14884	92.50	238.10	12268.11	-1262.28	-2257.85	2608.74	6.58
59	14915	93.50	238.10	12268.48	-1278.84	-2284.13	2617.89	3.23
60	14947	92.80	238.10	12264.70	-1285.88	-2311.25	2648.88	1.88
61	14979	91.80	237.80	12263.39	-1312.49	-2338.35	2681.51	3.58
62	15012	92.10	238.10	12262.29	-1328.88	-2368.31	2714.45	1.29
63	15043	91.20	238.10	12261.37	-1348.37	-2382.61	2745.40	2.80
64	15074	89.80	238.50	12261.10	-1362.88	-2418.89	2778.37	4.70
65	15105	90.00	237.80	12261.15	-1378.02	-2445.32	2807.34	2.26