

As Drilled Plat

RCVD OCT 3 '08

OIL CONS. DIV.

DIST. 3

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88310
DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30361	² Pool Code 71599/72319	³ Pool Name Basin Dakota/Blanco Mesaverde
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	⁶ Well Number 910
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	⁹ Elevation 6646

¹⁰ Surface Location

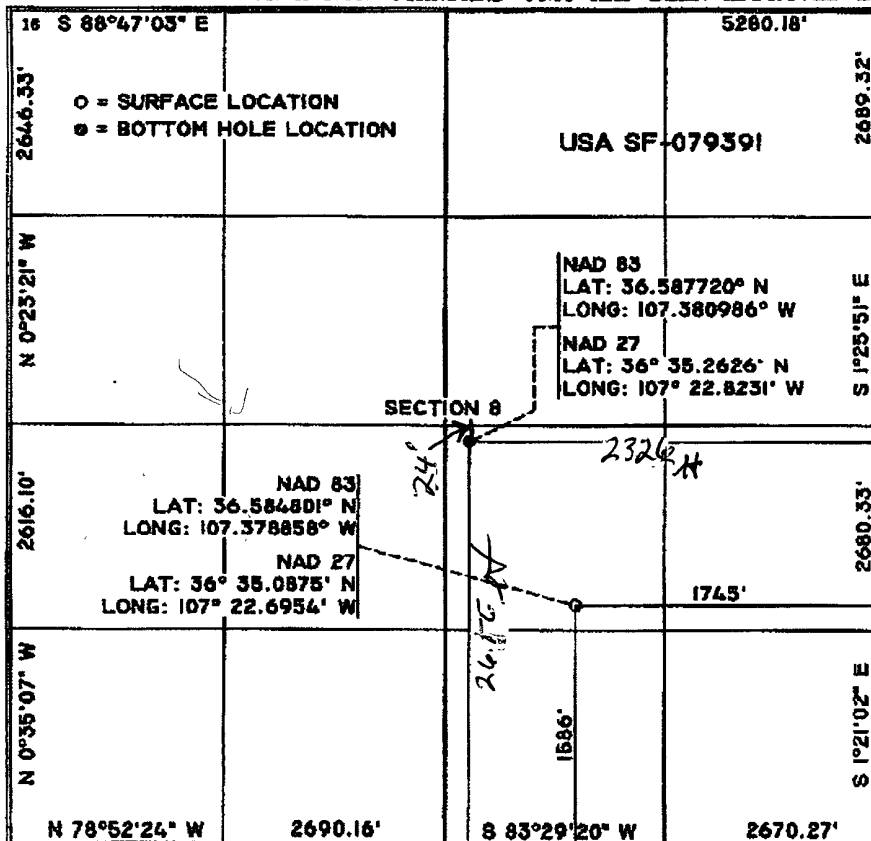
UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
J	8	27 N	5 W		1586	SOUTH	1745	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
J	8	27 N	5 W		2656	SOUTH	2326	EAST	RIO ARriba

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320E/2			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sasha Neumann 10/2/08
Signature Date

SASHA NEUMANN
Printed Name

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

6/12/07
Date of Survey

Signature and Seal of Professional Surveyor:

17078
Certificate Number

PA

8/10/15

10-15-08



Gyrodata Incorporated

301 Thelma Dr. #433
Casper, Wyoming 82609

307/234-7241
Fax: 307/234-6309

RCVD OCT 15 '08

OIL CONS. DIV.
DIST. 3

October 7, 2008

ConocoPhillips, Inc.
3401 E. 30th Street
Farmington, NM 87402

Attn: Patsey Clugston

Ms. Clugston:

Please find enclosed a certified copy of the survey conducted for ConocoPhillips, Inc. on July 8, 2008, Job Number RM0608G_484. The survey was performed on:

Well: San Juan 27-5 #910
Field: Rio Arriba County, New Mexico
Rig: Crane

If any additional information is required, please feel free to contact the undersigned at (307) 234-7241.

Sincerely,


Maricela Gomez
Operations Assistant

Enclosure

A Gyrodata Directional Survey

for

CONOCOPHILLIPS, INC.

Lease: San Juan 27-5 Well: 910, 4-1/2" Casing

Location: Crane, Rio Arriba County, New Mexico

Job Number: RM0608G_484

Run Date: 7/8/2008 3:27:09 PM

Surveyor: Mark Borino

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 36.584867 deg. N Longitude: 107.378256 deg. W

Azimuth Correction:

Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

RCVD OCT 15 '08

OIL CONS. DIV.

DIST. 3

A Gyrodata Directional Survey

ConocoPhillips, Inc.

Lease: San Juan 27-5 Well: 910, 4-1/2" Casing

Location: Crane, Rio Arriba County, New Mexico

Job Number: RM0608G_484

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
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 - 8100 FT RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" CASING							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO GROUND LEVEL R.K.B. OF 15 FT							
DEPTHS EVERY 200 FT. AS PER COMPANY MAN							

200.00	0.38	353.22	N 6 47 W	0.19	200.00	0.7 353.2	0.65 N 0.08 W
400.00	2.90	343.73	N 16 16 W	1.26	399.90	6.4 345.7	6.16 N 1.57 W
600.00	7.96	334.44	N 25 34 W	2.56	598.94	25.2 339.1	23.50 N 8.96 W
800.00	13.17	332.99	N 27 0 W	2.61	795.49	61.7 335.8	56.31 N 25.29 W
1000.00	19.13	330.99	N 29 1 W	2.99	987.51	117.3 333.9	105.31 N 51.55 W
1200.00	23.59	332.58	N 27 25 W	2.25	1173.72	190.1 333.1	169.53 N 85.90 W
1400.00	27.52	332.16	N 27 50 W	1.97	1354.12	276.3 332.9	245.94 N 125.92 W
1600.00	26.87	331.22	N 28 47 W	0.39	1532.01	367.7 332.6	326.42 N 169.27 W
1800.00	25.91	330.01	N 29 59 W	0.55	1711.17	456.5 332.2	403.88 N 212.87 W
2000.00	24.18	329.97	N 30 2 W	0.87	1892.36	541.2 331.9	477.19 N 255.21 W
2200.00	25.95	330.99	N 29 0 W	0.91	2073.52	625.8 331.7	550.92 N 296.93 W
2400.00	27.12	331.51	N 28 29 W	0.60	2252.45	715.2 331.6	629.25 N 339.89 W
2600.00	26.49	331.01	N 28 59 W	0.34	2430.96	805.4 331.6	708.34 N 383.25 W
2800.00	25.36	328.11	N 31 53 W	0.85	2610.84	892.7 331.4	783.72 N 427.50 W
3000.00	23.96	326.32	N 33 41 W	0.79	2792.60	976.0 331.0	853.87 N 472.64 W
3200.00	22.82	324.74	N 35 16 W	0.65	2976.17	1055.0 330.6	919.34 N 517.56 W
3400.00	15.21	325.34	N 34 39 W	3.81	3165.11	1119.8 330.3	972.67 N 554.93 W
3600.00	8.40	331.45	N 28 33 W	3.46	3360.77	1160.6 330.2	1007.13 N 576.85 W
3800.00	4.27	333.76	N 26 14 W	2.07	3559.51	1182.7 330.2	1026.65 N 587.14 W

A Gyrodata Directional Survey

ConocoPhillips, Inc.

Lease: San Juan 27-5 Well: 910, 4-1/2" Casing

Location: Crane, Rio Arriba County, New Mexico

Job Number: RM0608G_484

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
4000.00	2.05	340.35	N 19 39 W	1.12	3759.19	1193.6 330.3	1036.71 N 591.63 W
4200.00	1.39	337.29	N 22 42 W	0.34	3959.10	1199.6 330.3	1042.31 N 593.77 W
4400.00	0.81	338.18	N 21 49 W	0.29	4159.06	1203.4 330.4	1045.86 N 595.23 W
4600.00	0.40	327.12	N 32 53 W	0.21	4359.05	1205.5 330.4	1047.75 N 596.14 W
4800.00	0.32	349.82	N 10 11 W	0.08	4559.05	1206.7 330.4	1048.89 N 596.61 W
5000.00	0.38	22.19	N 22 11 E	0.10	4759.05	1207.6 330.4	1050.05 N 596.46 W
5200.00	0.35	17.16	N 17 10 E	0.02	4959.04	1208.5 330.4	1051.25 N 596.03 W
5400.00	0.72	359.34	N 0 40 W	0.20	5159.03	1210.0 330.5	1053.08 N 595.87 W
5600.00	0.90	45.29	N 45 17 E	0.33	5359.01	1211.5 330.6	1055.44 N 594.76 W
5800.00	1.08	33.65	N 33 39 E	0.13	5558.98	1212.8 330.7	1058.11 N 592.61 W
6000.00	0.86	45.27	N 45 16 E	0.15	5758.96	1214.0 330.9	1060.73 N 590.50 W
6200.00	0.73	13.41	N 13 25 E	0.23	5958.94	1215.4 331.0	1063.03 N 589.14 W
6400.00	0.94	7.56	N 7 34 E	0.11	6158.92	1217.6 331.1	1065.90 N 588.63 W
6600.00	1.09	26.63	N 26 38 E	0.18	6358.89	1220.0 331.2	1069.23 N 587.56 W
6800.00	0.62	44.98	N 44 59 E	0.27	6558.86	1221.4 331.3	1071.70 N 585.94 W
7000.00	0.22	144.92	S 35 5 E	0.35	6758.86	1221.3 331.4	1072.14 N 584.96 W
7200.00	0.38	97.09	S 82 55 E	0.14	6958.86	1220.6 331.4	1071.75 N 584.08 W
7400.00	0.31	161.35	S 18 39 E	0.19	7158.85	1219.7 331.4	1071.15 N 583.25 W
7600.00	0.75	204.31	S 24 19 W	0.28	7358.85	1218.3 331.4	1069.45 N 583.61 W
7800.00	0.62	66.35	N 66 21 E	0.64	7558.84	1217.5 331.4	1068.70 N 583.16 W
8000.00	0.34	70.86	N 70 51 E	0.14	7758.83	1217.3 331.5	1069.33 N 581.60 W
8100.00	0.54	21.11	N 21 6 E	0.41	7858.83	1217.5 331.5	1069.87 N 581.15 W

Final Station Closure: Distance: 1217.52 ft Az: 331.49 deg.



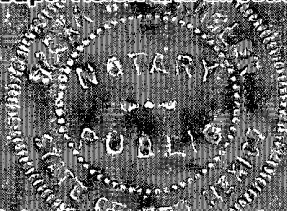
COP Deviation Report
SAN JUAN 27-5 UNIT #910

Operator BURLINGTON RESOURCES OIL & GAS CO	Legal WellName SAN JUAN 27-5 UNIT #910	API / UWI 3003930351	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location NMPM, 008-027N-005W	N/S Dist (ft) 1,586.00	N/S Ref FSL	E/W Dist (ft) 1,745.00	E/W Ref FEL

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
5/24/2008	270.00	0.80	MWD	HB	
5/24/2008	362.00	2.40	MWD	HB	
5/24/2008	454.00	4.90	MWD	HB	
5/24/2008	545.00	7.00	MWD	HB	
5/24/2008	638.00	9.00	MWD	HB	
5/24/2008	729.00	11.80	MWD	HB	
5/24/2008	823.00	14.00	MWD	HB	
5/24/2008	916.00	16.90	MWD	HB	
5/24/2008	1,009.00	19.60	MWD	HB	
5/24/2008	1,103.00	22.10	MWD	HB	
5/24/2008	1,198.00	24.00	MWD	HB	
5/24/2008	1,292.00	26.90	MWD	HB	
5/24/2008	1,386.00	27.90	MWD	HB	
5/24/2008	1,479.00	27.50	MWD	HB	
5/24/2008	1,573.00	27.40	MWD	HB	
5/24/2008	1,668.00	26.90	MWD	HB	
5/24/2008	1,763.00	27.10	MWD	HB	
5/25/2008	1,858.00	25.80	MWD	HB	
5/25/2008	1,953.00	25.20	MWD	HB	
5/25/2008	2,048.00	23.90	MWD	HB	
5/25/2008	2,141.00	25.70	MWD	HB	
5/25/2008	2,236.00	26.90	MWD	HB	
5/25/2008	2,330.00	27.60	MWD	HB	
5/25/2008	2,423.00	27.40	MWD	HB	
5/25/2008	2,516.00	26.90	MWD	HB	
5/25/2008	2,610.00	26.90	MWD	HB	
5/25/2008	2,704.00	26.70	MWD	HB	
5/25/2008	2,799.00	25.80	MWD	HB	
5/25/2008	2,894.00	25.10	MWD	HB	
5/25/2008	2,990.00	24.50	MWD	HB	
5/25/2008	3,083.00	23.90	MWD	HB	
5/25/2008	3,175.00	23.70	MWD	HB	
5/25/2008	3,271.00	21.20	MWD	HB	
5/25/2008	3,365.00	17.70	MWD	HB	
5/25/2008	3,459.00	13.80	MWD	HB	

RCVD OCT 3 '08
OIL CONS. DIV.
DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.



Handwritten signature

Subscribed and sworn to me this 10-9-08

Handwritten signature: Sasha N. Spangler

Notary Public in and for San Juan County, New Mexico

My Commission expires March 24th 2012

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/25/2008	3,553.00	11.00	MWD	HB
5/26/2008	3,648.00	7.40	MWD	HB
5/26/2008	3,743.00	5.50	MWD	HB
5/26/2008	3,837.00	4.40	MWD	HB
5/26/2008	3,932.00	2.60	MWD	HB
5/26/2008	4,025.00	2.30	MWD	HB
5/26/2008	4,119.00	1.70	MWD	HB
5/26/2008	4,215.00	1.60	MWD	HB
5/26/2008	4,244.00	1.60	MWD	HB
6/25/2008	4,400.00	0.81	GYRO	GYRODATA
6/25/2008	4,600.00	0.40	GYRO	GYRODATA
6/25/2008	4,800.00	0.32	GYRO	GYRODATA
6/25/2008	5,000.00	0.38	GYRO	GYRODATA
6/25/2008	5,200.00	0.35	GYRO	GYRODATA
6/25/2008	5,400.00	0.72	GYRO	GYRODATA
6/25/2008	5,600.00	0.90	GYRO	GYRODATA
6/25/2008	5,800.00	1.08	GYRO	GYRODATA
6/25/2008	6,000.00	0.86	GYRO	GYRODATA
6/25/2008	6,200.00	0.73	GYRO	GYRODATA
6/25/2008	6,400.00	0.94	GYRO	GYRODATA
6/25/2008	6,600.00	1.09	GYRO	GYRODATA
6/25/2008	6,800.00	0.62	GYRO	GYRODATA
6/25/2008	7,000.00	0.22	GYRO	GYRODATA
6/25/2008	7,200.00	0.38	GYRO	GYRODATA
6/25/2008	7,400.00	0.31	GYRO	GYRODATA
6/25/2008	7,600.00	0.75	GYRO	GYRODATA
6/25/2008	7,800.00	0.62	GYRO	GYRODATA
6/25/2008	8,000.00	0.34	GYRO	GYRODATA
6/25/2008	8,100.00	0.54	GYRO	GYRODATA

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions; and that the facts stated herein are true to the best of my knowledge and belief.

[Signature]

Subscribed and sworn to me this 10-01-08

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires March 24th 2012



Job Number: NM08008

Company: BURLINGTON RESOURCES

Lease/Well: SAN JAUN 27-5 UNIT #910

Location: SECTION 8

Rig Name: AZTEC #730

RKB: ☐G.L. or M.S.L.: ☐

State/Country: NEW MEXICO/USA

Declination: 10.07

Grid: ☐

File name: C:\WINSERVE\NM08008.SVY

Date/Time: 27-May-08 / 06:23

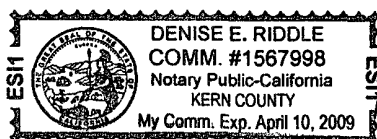
Curve Name: AS DRILLED

Hathaway Burnham LLC

RCVD OCT 3 '08

OIL CONS. DIV.

DIST. 3



WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 329.54

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
270.00	.80	345.30	269.99	1.82	-.48	1.81	1.88	345.30	.30
362.00	2.40	346.10	361.95	4.31	-1.10	4.28	4.45	345.65	1.74
454.00	4.90	338.40	453.76	9.84	-3.01	10.01	10.29	342.97	2.76
545.00	7.00	335.20	544.26	18.49	-6.77	19.37	19.69	339.89	2.34
638.00	9.00	332.40	636.35	30.08	-12.52	32.27	32.58	337.40	2.19
729.00	11.80	332.32	725.85	44.63	-20.14	48.68	48.96	335.71	3.08
823.00	14.00	331.80	817.47	63.16	-29.98	69.64	69.92	334.61	2.34
916.00	16.90	331.80	907.10	85.00	-41.68	94.40	94.67	333.87	3.12
1009.00	19.60	329.70	995.42	110.38	-55.95	123.51	123.75	333.12	2.99
1103.00	22.10	330.00	1083.25	139.31	-72.74	156.96	157.16	332.43	2.66
1198.00	24.00	331.00	1170.67	171.69	-91.05	194.15	194.34	332.06	2.04
1292.00	26.90	331.90	1255.54	207.17	-110.34	234.51	234.72	331.96	3.11
1386.00	27.90	330.60	1338.99	245.09	-131.15	277.75	277.98	331.85	1.24
1479.00	27.50	330.70	1421.33	282.78	-152.34	320.97	321.20	331.69	.43
1573.00	27.40	330.40	1504.75	320.51	-173.64	364.30	364.52	331.55	.18
1668.00	26.90	329.60	1589.28	358.05	-195.31	407.65	407.86	331.39	.65
1763.00	27.10	329.00	1673.93	395.13	-217.33	450.77	450.96	331.19	.36
1858.00	25.80	329.00	1758.98	431.40	-239.13	493.09	493.25	331.00	1.37
1953.00	25.20	328.60	1844.73	466.39	-260.31	533.98	534.12	330.83	.66
2048.00	23.90	328.80	1931.14	500.11	-280.82	573.45	573.56	330.69	1.37
2141.00	25.70	328.30	2015.56	533.39	-301.18	612.45	612.54	330.55	1.95
2236.00	26.90	330.20	2100.72	569.56	-322.68	654.53	654.62	330.47	1.54

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
Distance FT	Direction Deg								
2330.00	27.60	330.00	2184.29	606.87	-344.14	697.57	697.66	330.44	.75
2423.00	27.40	330.60	2266.78	644.17	-365.41	740.51	740.60	330.44	.37
2516.00	26.90	330.40	2349.53	681.11	-386.31	782.94	783.04	330.44	.55
2610.00	26.90	329.80	2433.36	717.98	-407.51	825.47	825.57	330.42	.29
2704.00	26.70	329.70	2517.27	754.59	-428.86	867.85	867.94	330.39	.22
2799.00	25.80	327.00	2602.47	790.36	-450.89	909.85	909.93	330.30	1.57
2894.00	25.10	326.50	2688.25	824.50	-473.27	950.62	950.68	330.14	.77
2990.00	24.50	325.30	2775.40	857.84	-495.84	990.81	990.83	329.97	.82
3083.00	23.90	324.50	2860.23	889.03	-517.76	1028.80	1028.81	329.78	.74
3176.00	23.70	324.40	2945.32	919.57	-539.58	1066.19	1066.19	329.60	.22
3271.00	21.20	323.60	3033.11	948.92	-560.89	1102.29	1102.29	329.41	2.65
3365.00	17.70	325.10	3121.73	974.33	-579.16	1133.45	1133.47	329.27	3.76
3459.00	13.80	326.50	3212.19	995.41	-593.53	1158.91	1158.93	329.19	4.17
3553.00	11.00	329.00	3303.99	1012.45	-604.34	1179.07	1179.10	329.17	3.03
3648.00	7.40	331.40	3397.75	1025.59	-611.94	1194.26	1194.28	329.18	3.81
3743.00	5.50	332.60	3492.14	1035.01	-616.96	1204.92	1204.94	329.20	2.00
3837.00	4.40	336.90	3585.79	1042.32	-620.45	1212.99	1213.01	329.24	1.23
3932.00	2.60	338.40	3680.61	1047.68	-622.67	1218.74	1218.75	329.28	1.90
4025.00	2.30	335.50	3773.52	1051.34	-624.22	1222.68	1222.69	329.30	.35
4119.00	1.70	340.40	3867.47	1054.37	-625.47	1225.92	1225.93	329.32	.66
4215.00	1.60	340.10	3963.43	1056.97	-626.40	1228.64	1228.64	329.35	.10
4244.00	1.60	339.80	3992.42	1057.73	-626.68	1229.43	1229.44	329.35	.03
4299.00	1.60	339.23	4047.39	1059.17	-627.22	1230.95	1230.95	329.37	.03