

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, 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

"as drilled plat"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30779		² Pool Code 71599 / 72319		³ Pool Name DAKOTA / MESA VERDE	
⁴ Property Code 7469		⁵ Property Name SAN JUAN 30-6 UNIT			⁶ Well Number 98B
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6318

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	34	30 N	7 W		1581	NORTH	1690	EAST	RIO ARriba

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	30 N	7 W		677'	NORTH	1955'	EAST	RIO ARriba

¹² Dedicated Acres 320.00 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD JUN 3 '10 OIL CONS. DIV.
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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 DIST. 3

16 S 89°50'43" E		5291.86'		¹⁷ OPERATOR CERTIFICATION	
5281.32'		1955'		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.	
5263.99'		1690'		Signature <u>Tamra Sessions</u> 6/2/10 Date Printed Name <u>Tamra Sessions</u>	
SECTION 34		NAD 83 LAT: 36.772006° N LONG: 107.555024° W		18 SURVEYOR CERTIFICATION	
NAD 27 LAT: 36°46.3200' N LONG: 107°33.2650' W		USA SF-079383		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.	
N 0°07'19" W		5277.29'		8/26/08 Date of Survey Signature and Seal of Professional Surveyor MARSHALL W. LINDEN NEW MEXICO LICENSED PROFESSIONAL SURVEYOR 17078 Certificate Number	
S 89°58'02" W					

○ = SURFACE LOCATION
● = BOTTOM HOLE LOCATION

**COP Deviation Report
SAN JUAN 30-6 UNIT #98B**

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
3/28/2010	3,009.00	3.77	IncAzi-MWD	Scientific Drilling	
3/28/2010	3,100.00	3.82	IncAzi-MWD	Scientific Drilling	
3/28/2010	3,245.00	1.91	IncAzi-MWD	Scientific Drilling	
3/28/2010	3,279.00	0.64	IncAzi-MWD	Scientific Drilling	
3/30/2010	3,369.00	2.36	IncAzi-MWD	Scientific Drilling	
3/30/2010	3,459.00	2.34	IncAzi-MWD	Scientific Drilling	
3/30/2010	3,549.00	0.50	IncAzi-MWD	Scientific Drilling	
3/30/2010	3,619.00	1.32	IncAzi-MWD	Scientific Drilling	
4/9/2010	7,851.00	1.00	Inc-WL	PHOENIX	

RCVD JUN 3 '10
OIL CONS. DIV.
DIST. 3

I, the undersigned, certify that I acting in my capacity as _____ 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.

Subscribed and sworn to me this 6/2/10

Tamara A. Jossin

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/12



COP Deviation Report
SAN JUAN 30-6 UNIT #98B

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 30-6 UNIT #98B	API / UWI 3003930779	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 034-030N-007W-G	N/S Dist (ft) 1,581.00	N/S Ref FNL	E/W Dist (ft) 1,690.00	E/W Ref FEL

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
3/6/2010	130.00	0.75	Inc-WL	MOTE	
3/6/2010	235.00	1.00	Inc-WL	MOTE	
3/27/2010	267.00	1.77	IncAzi-MWD	Scientific Drilling	
3/27/2010	329.00	1.59	IncAzi-MWD	Scientific Drilling	
3/27/2010	390.00	2.78	IncAzi-MWD	Scientific Drilling	
3/27/2010	452.00	4.67	IncAzi-MWD	Scientific Drilling	
3/27/2010	513.00	6.46	IncAzi-MWD	Scientific Drilling	
3/27/2010	575.00	8.78	IncAzi-MWD	Scientific Drilling	
3/27/2010	635.00	10.81	IncAzi-MWD	Scientific Drilling	
3/27/2010	697.00	12.56	IncAzi-MWD	Scientific Drilling	
3/27/2010	758.00	14.87	IncAzi-MWD	Scientific Drilling	
3/27/2010	857.00	17.92	IncAzi-MWD	Scientific Drilling	
3/27/2010	947.00	20.59	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,037.00	22.88	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,127.00	25.39	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,217.00	27.97	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,307.00	29.35	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,397.00	29.91	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,487.00	30.53	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,577.00	30.57	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,667.00	30.55	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,757.00	30.26	IncAzi-MWD	Scientific Drilling	
3/27/2010	1,846.00	29.44	IncAzi-MWD	Scientific Drilling	
3/28/2010	1,936.00	29.52	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,026.00	28.71	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,116.00	27.50	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,206.00	28.03	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,291.00	25.29	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,380.00	22.52	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,470.00	20.28	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,560.00	17.29	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,650.00	14.49	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,740.00	11.77	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,831.00	8.81	IncAzi-MWD	Scientific Drilling	
3/28/2010	2,920.00	5.24	IncAzi-MWD	Scientific Drilling	

I, the undersigned, certify that I acting in my capacity as _____ 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.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

REC'D JUN 3 10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 34-T30N-R7W
SJ 30-6 #98B
WAN.CDR.8326
Original Hole

Survey: Actual

Standard Survey Report

07 April, 2010

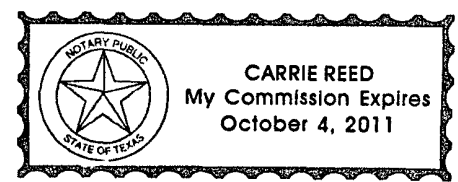
This survey is correct to the best of my knowledge and is supported by actual field data.

Hubert

Notorized this date 8th of April, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

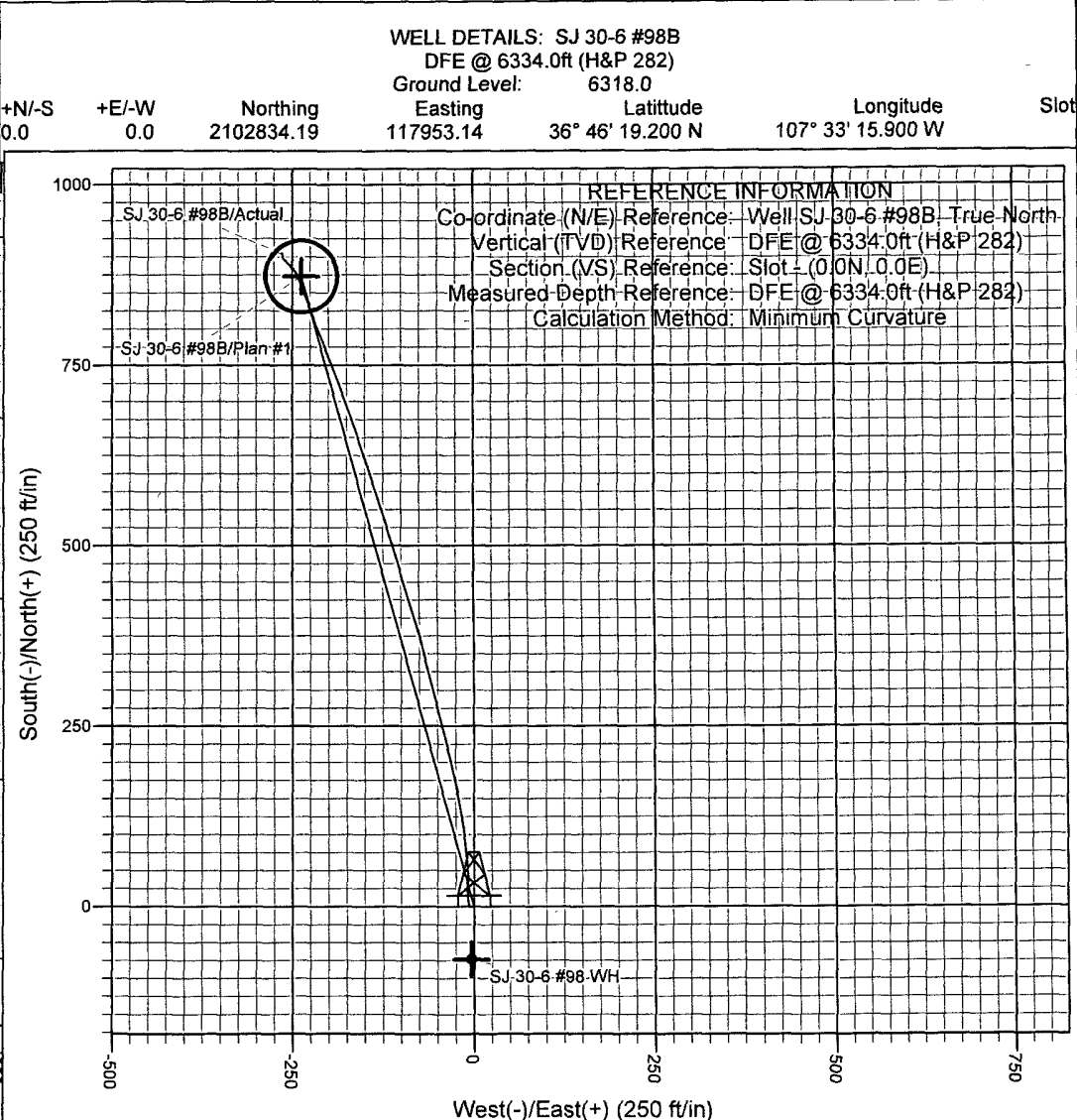
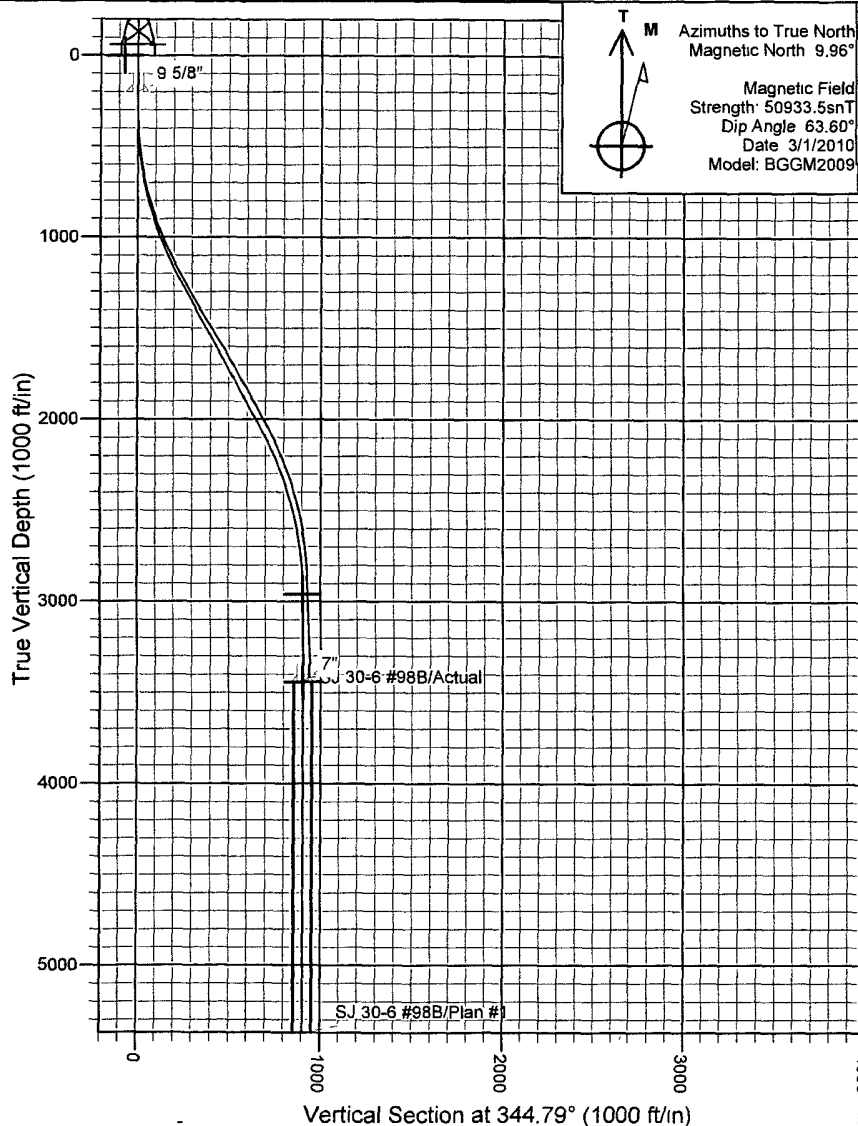




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
SEC 34-T30N-R7W
Well: SJ 30-6 #98B
Wellbore: Original Hole
Design: Plan #1
Site:

ConocoPhillips



COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM Central)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level

SITE DETAILS: SEC 34-T30N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 46' 17.766 N
Longitude: 107° 33' 12.810 W
Positional Uncertainty: 0.0
Convergence: -0.78
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #98B
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6334.0ft (H&P 282)
Site:	SEC 34-T30N-R7W	MD Reference:	DFE @ 6334.0ft (H&P 282)
Well:	SJ 30-6 #98B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Project	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	SEC 34-T30N-R7W		
Site Position:		Northing:	2,102,685.75 ft
From:	Lat/Long	Easting:	118,202.57 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 46' 17.766 N
		Longitude:	107° 33' 12.810 W
		Grid Convergence:	-0.78 °

Well	SJ 30-6 #98B, S-Type MV/DK Well		
Well Position	+N/-S	0.0 ft	Northing: 2,102,834.19 ft
	+E/-W	0.0 ft	Easting: 117,953.14 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 46' 19.200 N
		Longitude:	107° 33' 15.900 W
		Ground Level:	6,318.0 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	BGGM2009	3/1/2010	9.96
			63.60
			50,934

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			343.65

Survey Program	Date	4/7/2010		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
267.0	3,619.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
267.0	1.77	257.70	267.0	-0.9	-4.0	0.3	0.66	0.66	0.00
329.0	1.59	281.20	328.9	-0.9	-5.8	0.8	1.14	-0.29	37.90
390.0	2.78	347.84	389.9	0.7	-7.0	2.6	4.26	1.95	109.25
452.0	4.67	350.50	451.8	4.7	-7.7	6.6	3.06	3.05	4.29
513.0	6.46	359.76	512.5	10.5	-8.1	12.4	3.27	2.93	15.18
575.0	8.78	358.66	573.9	18.8	-8.2	20.3	3.75	3.74	-1.77
635.0	10.81	0.38	633.0	29.0	-8.3	30.1	3.42	3.38	2.87
697.0	12.56	357.94	693.8	41.5	-8.5	42.2	2.93	2.82	-3.94
758.0	14.87	355.56	753.0	55.9	-9.4	56.3	3.90	3.79	-3.90
857.0	17.92	355.50	848.0	83.8	-11.5	83.7	3.08	3.08	-0.06
947.0	20.59	352.13	932.9	113.3	-14.8	112.9	3.21	2.97	-3.74
1,037.0	22.88	348.90	1,016.5	146.1	-20.3	146.0	2.87	2.54	-3.59

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #98B
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6334.0ft (H&P 282)
Site:	SEC 34-T30N-R7W	MD Reference:	DFE @ 6334.0ft (H&P 282)
Well:	SJ 30-6 #98B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,127.0	25.39	348.63	1,098.7	182.2	-27.5	182.6	2.79	2.79	-0.30	
1,217.0	27.97	346.13	1,179.1	221.6	-36.4	222.9	3.13	2.87	-2.78	
1,307.0	29.35	345.82	1,258.0	263.5	-46.8	266.0	1.54	1.53	-0.34	
1,397.0	29.91	345.52	1,336.3	306.6	-57.8	310.5	0.64	0.62	-0.33	
1,487.0	30.53	346.37	1,414.0	350.6	-68.8	355.8	0.84	0.69	0.94	
1,577.0	30.57	343.86	1,491.6	394.8	-80.6	401.5	1.42	0.04	-2.79	
1,667.0	30.55	343.17	1,569.1	438.7	-93.6	447.3	0.39	-0.02	-0.77	
1,757.0	30.26	343.44	1,646.7	482.3	-106.7	492.8	0.36	-0.32	0.30	
1,846.0	29.44	342.86	1,723.9	524.7	-119.5	537.1	0.98	-0.92	-0.65	
1,936.0	29.52	342.56	1,802.2	567.0	-132.7	581.4	0.19	0.09	-0.33	
2,026.0	28.71	341.99	1,880.8	608.7	-146.0	625.2	0.95	-0.90	-0.63	
2,116.0	27.50	341.31	1,960.2	648.9	-159.3	667.5	1.39	-1.34	-0.76	
2,206.0	28.03	341.14	2,039.9	688.6	-172.8	709.4	0.60	0.59	-0.19	
2,291.0	25.29	339.70	2,115.8	724.6	-185.6	747.5	3.31	-3.22	-1.69	
2,380.0	22.52	338.06	2,197.2	758.2	-198.5	783.4	3.20	-3.11	-1.84	
2,470.0	20.28	338.88	2,281.0	788.7	-210.6	816.1	2.51	-2.49	0.91	
2,560.0	17.29	339.89	2,366.2	815.9	-220.8	845.0	3.34	-3.32	1.12	
2,650.0	14.49	338.94	2,452.7	838.9	-229.5	869.6	3.12	-3.11	-1.06	
2,740.0	11.77	340.65	2,540.4	858.1	-236.6	890.0	3.05	-3.02	1.90	
2,831.0	8.81	335.10	2,629.9	873.2	-242.6	906.2	3.43	-3.25	-6.10	
2,920.0	5.24	322.69	2,718.2	882.6	-247.9	916.7	4.34	-4.01	-13.94	
3,009.0	3.77	316.04	2,806.9	887.9	-252.4	923.1	1.75	-1.65	-7.47	
3,100.0	3.82	310.93	2,897.7	892.1	-256.8	928.3	0.38	0.05	-5.62	
3,245.0	1.91	309.75	3,042.5	896.8	-262.3	934.4	1.32	-1.32	-0.81	
3,279.0	0.64	321.96	3,076.5	897.3	-262.8	935.0	3.80	-3.74	35.91	
3,369.0	2.36	351.29	3,166.5	899.5	-263.4	937.3	2.03	1.91	32.59	
3,459.0	2.34	353.82	3,256.4	903.2	-263.9	940.9	0.12	-0.02	2.81	
3,549.0	0.50	247.23	3,346.4	904.9	-264.5	942.7	2.81	-2.04	-118.43	
3,619.0	1.32	209.35	3,416.4	904.0	-265.1	942.1	1.39	1.17	-54.11	