DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 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	[2] Pool Code	[3] Pool Name
30-039-30900	71599/72319	BASIN DAKOTA/BLANCO MESAVERDE

[4] Property Code	[5] Property Name	[6] Well Number
31327	SAN JUAN 30 – 5 UNIT	49P

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	CONOCOPHILLIPS COMPANY	6362'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	30–N	5–W		745	NORTH	695	WEST	RIO ARRIBA

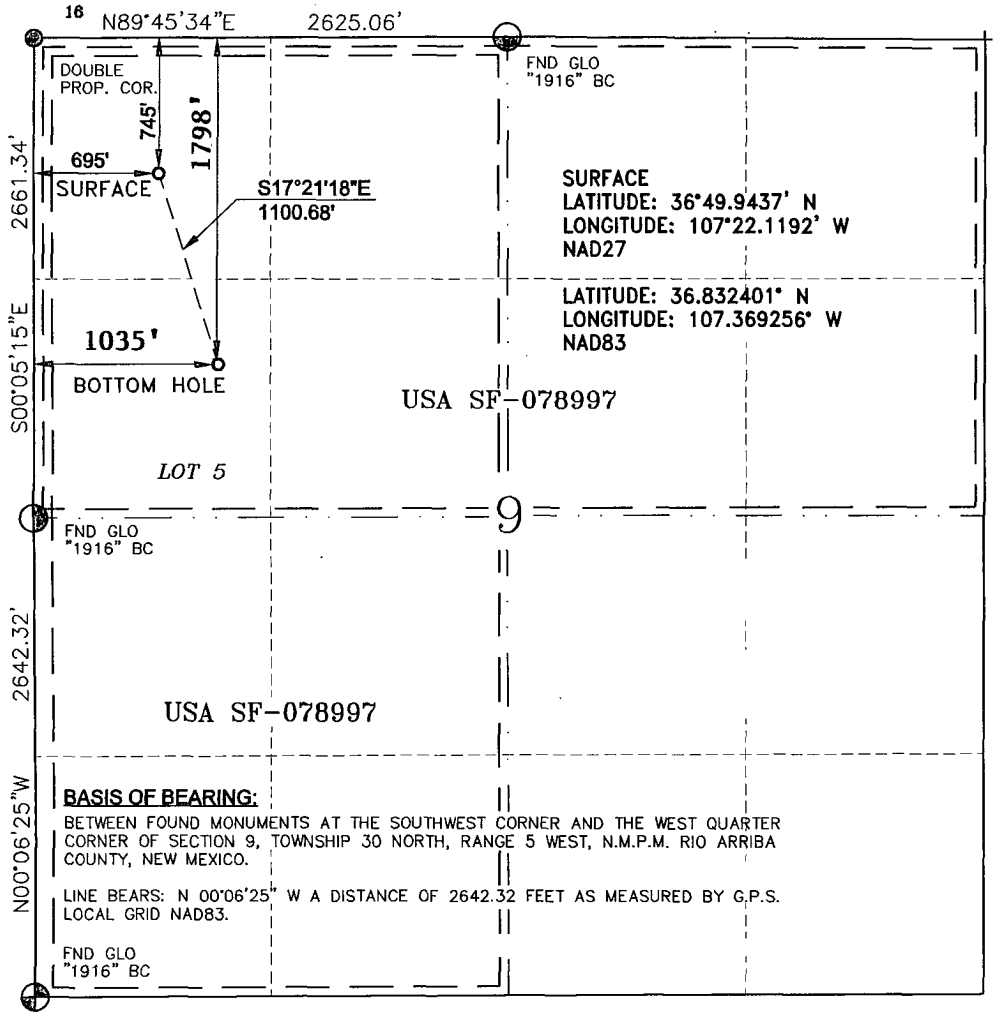
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	9	30–N	5–W		1798	NORTH	1035	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
DK 320.00 ACRES N/2 MV 320.00 ACRES W/2			

RCVD NOV 2'10
OIL CONS. DIV.
DIST. 3

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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 11/1/10
Signature

Crystal Tafoya 11/1/10
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.

October 8, 2009
Date of Survey

Signature and Seal of Professional Surveyor

GLEN W. RUSSELL NEW MEXICO 15703 LICENSED PROFESSIONAL SURVEYOR

GLEN W. RUSSELL
Certificate Number 15703

COP Deviation Report ConocoPhillips **API: 3003930900**

Legal WellName : SAN JUAN 30-5 UNIT #49P	**API / UWI:** 3003930900
Operator: CONOCOPHILLIPS COMPANY	**Surf Loc:** 009-030N-005W-D
St/Prov: NEW MEXICO	**N/S Dist (ft):** 745.00 - FNL
County: RIO ARRIBA	**E/W Dist (ft):** 695.00 - FWL

Wellbore Name : Original Hole

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEYS	07/14/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/14/2010	130.00	1.00	.00	Inc-WL	MOTE
07/15/2010	238.00	2.00	.00	Inc-WL	MOTE

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DEVIATION SURVEYS	07/14/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/21/2010	.00	.00	.00	IncAzi-MWD	Scientific Drilling
07/21/2010	294.00	.63	259.96	IncAzi-MWD	Scientific Drilling
07/21/2010	355.00	.91	213.50	IncAzi-MWD	Scientific Drilling
07/21/2010	416.00	2.69	177.24	IncAzi-MWD	Scientific Drilling
07/21/2010	477.00	4.84	171.21	IncAzi-MWD	Scientific Drilling
07/21/2010	538.00	7.01	167.16	IncAzi-MWD	Scientific Drilling
07/21/2010	600.00	9.39	163.56	IncAzi-MWD	Scientific Drilling
07/22/2010	662.00	11.48	159.34	IncAzi-MWD	Scientific Drilling
07/22/2010	723.00	13.73	159.72	IncAzi-MWD	Scientific Drilling
07/22/2010	817.00	16.24	162.19	IncAzi-MWD	Scientific Drilling
07/22/2010	907.00	19.94	161.36	IncAzi-MWD	Scientific Drilling
07/22/2010	997.00	22.81	160.23	IncAzi-MWD	Scientific Drilling
07/22/2010	1,087.00	25.23	160.32	IncAzi-MWD	Scientific Drilling
07/22/2010	1,177.00	27.58	161.33	IncAzi-MWD	Scientific Drilling
07/22/2010	1,268.00	29.93	160.56	IncAzi-MWD	Scientific Drilling
07/22/2010	1,358.00	32.14	163.10	IncAzi-MWD	Scientific Drilling
07/22/2010	1,448.00	34.02	164.15	IncAzi-MWD	Scientific Drilling
07/22/2010	1,538.00	34.52	164.43	IncAzi-MWD	Scientific Drilling
07/22/2010	1,628.00	34.99	164.06	IncAzi-MWD	Scientific Drilling
07/22/2010	1,719.00	35.29	163.03	IncAzi-MWD	Scientific Drilling
07/22/2010	1,809.00	35.46	163.71	IncAzi-MWD	Scientific Drilling
07/22/2010	1,900.00	35.46	163.65	IncAzi-MWD	Scientific Drilling
07/22/2010	1,989.00	34.54	162.44	IncAzi-MWD	Scientific Drilling
07/22/2010	2,080.00	32.45	161.55	IncAzi-MWD	Scientific Drilling
07/22/2010	2,170.00	30.70	161.61	IncAzi-MWD	Scientific Drilling
07/22/2010	2,260.00	28.21	161.89	IncAzi-MWD	Scientific Drilling
07/22/2010	2,350.00	26.89	161.07	IncAzi-MWD	Scientific Drilling

07/22/2010	2,440.00	25.35	162.52	IncAzi-MWD	Scientific Drilling
07/22/2010	2,530.00	22.38	162.36	IncAzi-MWD	Scientific Drilling
07/22/2010	2,620.00	19.56	161.25	IncAzi-MWD	Scientific Drilling
07/22/2010	2,710.00	16.65	159.45	IncAzi-MWD	Scientific Drilling
07/22/2010	2,800.00	14.47	157.29	IncAzi-MWD	Scientific Drilling
07/22/2010	2,890.00	12.15	158.54	IncAzi-MWD	Scientific Drilling
07/23/2010	2,980.00	10.72	163.94	IncAzi-MWD	Scientific Drilling
07/23/2010	3,070.00	9.27	163.18	IncAzi-MWD	Scientific Drilling
07/23/2010	3,161.00	7.37	158.13	IncAzi-MWD	Scientific Drilling
07/23/2010	3,251.00	4.83	158.25	IncAzi-MWD	Scientific Drilling
07/24/2010	3,341.00	3.59	158.75	IncAzi-MWD	Scientific Drilling
07/23/2010	3,431.00	3.22	149.22	IncAzi-MWD	Scientific Drilling
07/23/2010	3,521.00	3.33	149.39	IncAzi-MWD	Scientific Drilling
07/23/2010	3,611.00	2.43	159.63	IncAzi-MWD	Scientific Drilling
07/23/2010	3,700.00	2.56	156.77	IncAzi-MWD	Scientific Drilling
07/23/2010	3,810.00	2.53	160.62	IncAzi-MWD	Scientific Drilling

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	07/30/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/30/2010	8,075.00	1.00	.00	Inc-WL	PHOENIX

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.

Subscribed and sworn to me this November 1, 2010

Crystal L. Tafoya

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014

ConocoPhillips

SJB (NM Central)
SEC 09-T30N-R5W
SJ 30-5 #49P
API# 30-039-30900
Original Hole

Survey: Actual

Standard Survey Report

31 July, 2010

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

R Barton

Notorized this date 3rd of August, 2010.

Carrie Reed

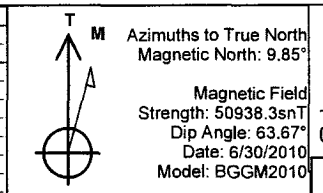
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling
Directional Drilling Operations

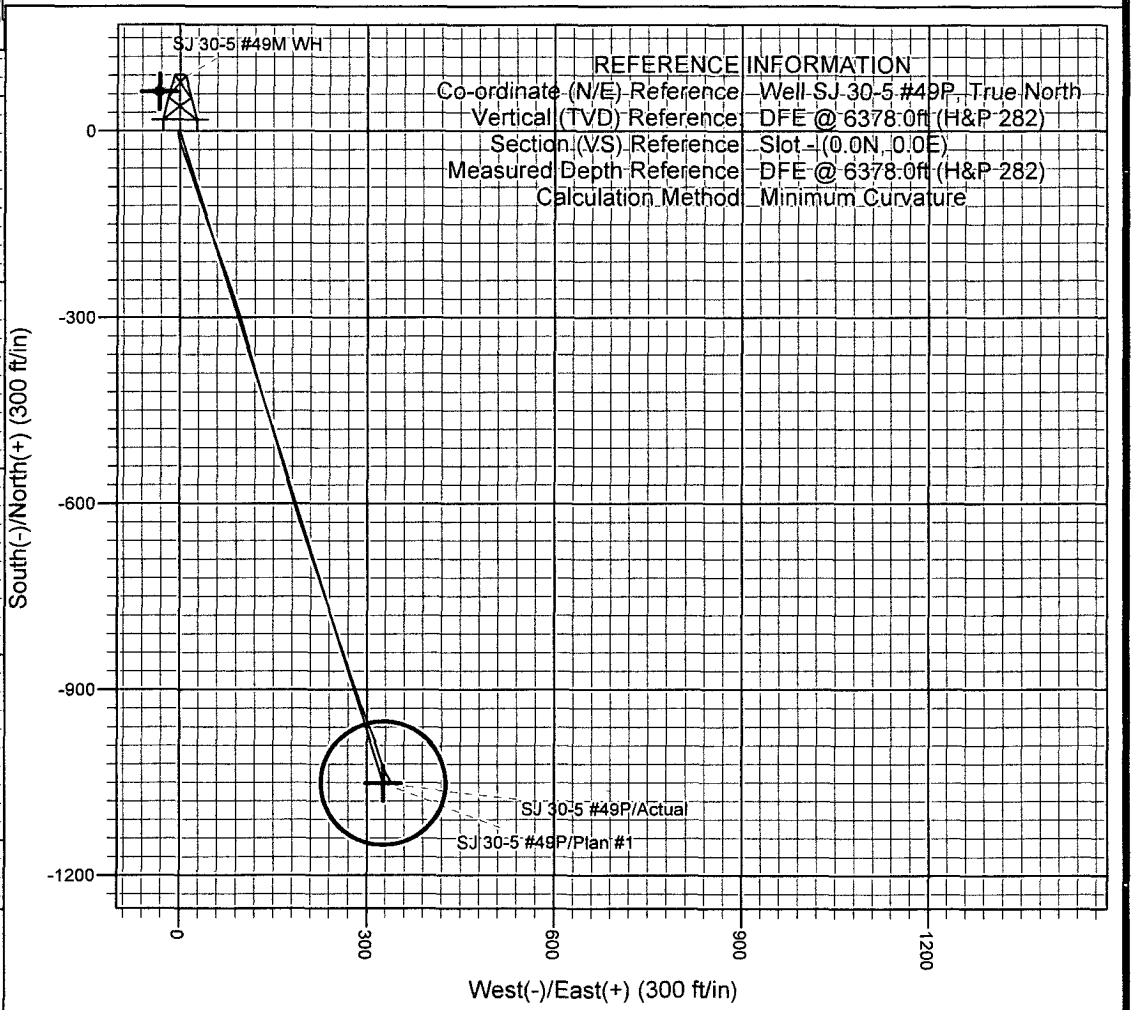
Project: SJB (NM Central)
SEC 09-T30N-R5W
Well: SJ 30-5 #49P
Wellbore: Original Hole
Design: Plan #1
Site:

ConocoPhillips



WELL DETAILS: SJ 30-5 #49P
DFE @ 6378.0ft (H&P 282)
Ground Level: 6362.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	2124132.86	172620.17	36° 49' 56.622 N	107° 22' 7.152 W	



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 09-T30N-R5W
Rio Arriba County NM
Site Centre Latitude: 36° 49' 56.622 N
Longitude: 107° 22' 7.152 W
Positional Uncertainity: 0.0
Convergence: -0.67
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-5 #49P
Project:	SJB (NM Central)	**TVD Reference:**	DFE @ 6378.0ft (H&P 282)
Site:	SEC 09-T30N-R5W	**MD Reference:**	DFE @ 6378.0ft (H&P 282)
Well:	SJ 30-5 #49P	**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 09-T30N-R5W				
Site Position:		**Northing:**	2,124,132.86 ft	**Latitude:**	36° 49' 56.622 N
From:	Lat/Long	**Easting:**	172,620.17 ft	**Longitude:**	107° 22' 7.152 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.67 °

Well	SJ 30-5 #49P, S-Type MV/DK Well					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,124,132.86 ft	**Latitude:**	36° 49' 56.622 N
	+E/-W	0.0 ft	**Easting:**	172,620.17 ft	**Longitude:**	107° 22' 7.152 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,362.0 ft

Wellbore	Original Hole

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2010	6/30/2010	9.85	63.67	50,938

Design	Original Hole				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	162.11

Survey Program **Date** 7/31/2010

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
294.0	3,810.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

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)**
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
294.0	0.63	259.96	294.0	-0.3	-1.6	-0.2	0.21	0.21	0.00
355.0	0.91	213.50	355.0	-0.7	-2.2	0.0	1.08	0.46	-76.16
416.0	2.69	177.24	416.0	-2.6	-2.4	1.7	3.33	2.92	-59.44
477.0	4.84	171.21	476.8	-6.6	-1.9	5.6	3.58	3.52	-9.89
538.0	7.01	167.16	537.5	-12.7	-0.7	11.9	3.62	3.56	-6.64
600.0	9.39	163.56	598.9	-21.3	1.6	20.7	3.93	3.84	-5.81
662.0	11.48	159.34	659.8	-31.9	5.2	31.9	3.59	3.37	-6.81
723.0	13.73	159.72	719.4	-44.4	9.8	45.2	3.69	3.69	0.62
817.0	16.24	162.19	810.2	-67.3	17.7	69.5	2.75	2.67	2.63
907.0	19.94	161.36	895.7	-93.9	26.5	97.5	4.12	4.11	-0.92
997.0	22.81	160.23	979.5	-124.8	37.3	130.3	3.22	3.19	-1.26
1,087.0	25.23	160.32	1,061.7	-159.3	49.6	166.9	2.69	2.69	0.10

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 30-5 #49P
Project:	SJB (NM Central)	**TVD Reference:**	DFE @ 6378.0ft (H&P 282)
Site:	SEC 09-T30N-R5W	**MD Reference:**	DFE @ 6378.0ft (H&P 282)
Well:	SJ 30-5 #49P	**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)
1,177.0	27.58	161.33	1,142.3	-197.1	62.8	206.9	2.66	2.61	1.12
1,268.0	29.93	160.56	1,222.1	-238.5	77.1	250.6	2.61	2.58	-0.85
1,358.0	32.14	163.10	1,299.2	-282.6	91.5	297.0	2.85	2.46	2.82
1,448.0	34.02	164.15	1,374.6	-329.7	105.3	346.1	2.18	2.09	1.17
1,538.0	34.52	164.43	1,449.0	-378.5	119.1	396.8	0.58	0.56	0.31
1,628.0	34.99	164.06	1,522.9	-427.9	133.0	448.0	0.57	0.52	-0.41
1,719.0	35.29	163.03	1,597.3	-478.1	147.8	500.4	0.73	0.33	-1.13
1,809.0	35.46	163.71	1,670.7	-528.0	162.7	552.5	0.48	0.19	0.76
1,900.0	35.46	163.65	1,744.8	-578.7	177.6	605.3	0.04	0.00	-0.07
1,989.0	34.54	162.44	1,817.7	-627.5	192.5	656.3	1.29	-1.03	-1.36
2,080.0	32.45	161.55	1,893.6	-675.3	208.0	706.5	2.36	-2.30	-0.98
2,170.0	30.70	161.61	1,970.3	-720.0	222.9	753.6	1.94	-1.94	0.07
2,260.0	28.21	161.89	2,048.7	-762.0	236.7	797.9	2.77	-2.77	0.31
2,350.0	26.89	161.07	2,128.4	-801.5	249.9	839.5	1.53	-1.47	-0.91
2,440.0	25.35	162.52	2,209.3	-839.1	262.3	879.1	1.85	-1.71	1.61
2,530.0	22.38	162.36	2,291.6	-873.8	273.3	915.5	3.30	-3.30	-0.18
2,620.0	19.56	161.25	2,375.6	-904.4	283.4	947.7	3.16	-3.13	-1.23
2,710.0	16.65	159.45	2,461.1	-930.8	292.7	975.7	3.29	-3.23	-2.00
2,800.0	14.47	157.29	2,547.8	-953.2	301.6	999.8	2.51	-2.42	-2.40
2,890.0	12.15	158.54	2,635.4	-972.4	309.4	1,020.4	2.60	-2.58	1.39
2,980.0	10.72	163.94	2,723.6	-989.3	315.2	1,038.3	1.98	-1.59	6.00
3,070.0	9.27	163.18	2,812.2	-1,004.3	319.6	1,053.9	1.62	-1.61	-0.84
3,161.0	7.37	158.13	2,902.3	-1,016.7	323.9	1,067.0	2.24	-2.09	-5.55
3,251.0	4.83	158.25	2,991.8	-1,025.6	327.4	1,076.6	2.82	-2.82	0.13
3,341.0	3.59	158.75	3,081.5	-1,031.7	329.9	1,083.2	1.38	-1.38	0.56
3,431.0	3.22	149.22	3,171.4	-1,036.5	332.2	1,088.4	0.75	-0.41	-10.59
3,521.0	3.33	149.39	3,261.2	-1,040.9	334.8	1,093.5	0.12	0.12	0.19
3,611.0	2.43	159.63	3,351.1	-1,045.0	336.8	1,097.9	1.15	-1.00	11.38
3,700.0	2.56	156.77	3,440.0	-1,048.6	338.2	1,101.8	0.20	0.15	-3.21
3,810.0	2.53	160.62	3,549.9	-1,053.1	340.0	1,106.7	0.16	-0.03	3.50