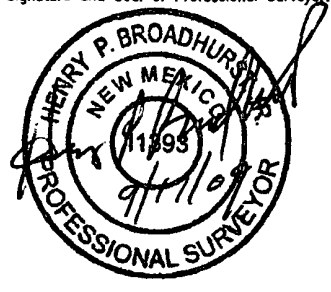


16 BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.	E/2 DEDICATED ACREAGE USA SF-078739 SECTION 21, T-30-N, R-5-W	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete 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. <i>Crystal Tafoya</i> 8/23/10 Signature Crystal Tafoya Printed Name Staff Regulatory Tech Title and E-mail Address August 23, 2010 Date
GLO 1916 2644.2' (M) 2640.0' (R) WELL FLAG NAD 83 LAT: 36.793248° N LONG: 107.366152° W NAD 27 LAT: 36°47.594517' N LONG: 107°21.933036' W	BOTTOM HOLE 1135'	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 Date of Survey: 8/25/09 Signature and Seal of Professional Surveyor: 
W 1608' N 0°08'48" E N 0°01' E GLO N 89°49' E 2630.1' (R) 1916 N 89°35'22" E 2617.9' (M)	N 76°29'38" E 1143.0' 856' 1135' 2506'	N 0°02' E 2630.1' (R) N 0°07'09" W 2622.1' (M) GLO 1916 Certificate Number: NM 11393

Legal WellName : SAN JUAN 30-5 UNIT #51N	API / UWI: 3003930920
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 021-030N-005W-N
St/Prov: NEW MEXICO	N/S Dist (ft): 856.00 - FSL
County: RIO ARRIBA	E/W Dist (ft): 1,608.00 - FWL

RCD HUG 24 10
 OIL CONS. DIV.
 DIST. 3

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION	06/03/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/03/2010	134.00	.75	.00	Inc-WL	MOTE
06/03/2010	238.00	.25	.00	Inc-WL	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEY	06/09/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/09/2010	264.00	.49	254.49	IncAzi-MWD	Scientific Drilling
06/09/2010	326.00	.93	114.15	IncAzi-MWD	Scientific Drilling
06/09/2010	386.00	2.89	100.61	IncAzi-MWD	Scientific Drilling
06/09/2010	448.00	4.66	94.72	IncAzi-MWD	Scientific Drilling
06/09/2010	510.00	6.45	89.00	IncAzi-MWD	Scientific Drilling
06/09/2010	570.00	7.99	86.18	IncAzi-MWD	Scientific Drilling
06/10/2010	631.00	9.64	82.35	IncAzi-MWD	Scientific Drilling
06/10/2010	692.00	11.58	77.87	IncAzi-MWD	Scientific Drilling
06/10/2010	754.00	13.31	76.61	IncAzi-MWD	Scientific Drilling
06/10/2010	847.00	15.29	76.22	IncAzi-MWD	Scientific Drilling
06/10/2010	938.00	18.32	76.55	IncAzi-MWD	Scientific Drilling
06/10/2010	1,028.00	21.16	77.48	IncAzi-MWD	Scientific Drilling
06/10/2010	1,118.00	23.80	76.79	IncAzi-MWD	Scientific Drilling
06/10/2010	1,208.00	26.44	76.21	IncAzi-MWD	Scientific Drilling
06/10/2010	1,299.00	29.07	77.91	IncAzi-MWD	Scientific Drilling
06/10/2010	1,389.00	31.31	79.95	IncAzi-MWD	Scientific Drilling
06/10/2010	1,479.00	34.18	77.60	IncAzi-MWD	Scientific Drilling
06/10/2010	1,569.00	35.18	76.98	IncAzi-MWD	Scientific Drilling
06/10/2010	1,659.00	36.07	76.87	IncAzi-MWD	Scientific Drilling
06/10/2010	1,749.00	36.14	76.84	IncAzi-MWD	Scientific Drilling
06/10/2010	1,839.00	36.14	76.27	IncAzi-MWD	Scientific Drilling
06/10/2010	1,929.00	36.29	75.74	IncAzi-MWD	Scientific Drilling
06/10/2010	2,019.00	36.04	74.66	IncAzi-MWD	Scientific Drilling
06/10/2010	2,109.00	33.83	73.01	IncAzi-MWD	Scientific Drilling
06/10/2010	2,199.00	32.48	72.53	IncAzi-MWD	Scientific Drilling
06/10/2010	2,289.00	30.47	71.74	IncAzi-MWD	Scientific Drilling
06/10/2010	2,380.00	28.78	70.36	IncAzi-MWD	Scientific Drilling

06/10/2010	2,470.00	26.73	72.74	IncAzi-MWD	Scientific Drilling
06/10/2010	2,560.00	25.49	74.46	IncAzi-MWD	Scientific Drilling
06/10/2010	2,650.00	23.09	74.56	IncAzi-MWD	Scientific Drilling
06/10/2010	2,739.00	20.42	77.90	IncAzi-MWD	Scientific Drilling
06/10/2010	2,829.00	18.67	76.85	IncAzi-MWD	Scientific Drilling
06/10/2010	2,919.00	16.38	76.42	IncAzi-MWD	Scientific Drilling
06/11/2010	3,009.00	14.03	77.74	IncAzi-MWD	Scientific Drilling
06/11/2010	3,099.00	11.90	76.81	IncAzi-MWD	Scientific Drilling
06/11/2010	3,189.00	9.32	81.72	IncAzi-MWD	Scientific Drilling
06/11/2010	3,279.00	6.27	86.13	IncAzi-MWD	Scientific Drilling
06/11/2010	3,369.00	3.60	86.22	IncAzi-MWD	Scientific Drilling
06/11/2010	3,459.00	2.48	81.31	IncAzi-MWD	Scientific Drilling
06/11/2010	3,549.00	2.35	56.45	IncAzi-MWD	Scientific Drilling
06/11/2010	3,639.00	2.46	56.06	IncAzi-MWD	Scientific Drilling
06/11/2010	3,730.00	2.59	59.34	IncAzi-MWD	Scientific Drilling
06/11/2010	3,820.00	2.74	62.10	IncAzi-MWD	Scientific Drilling
06/11/2010	3,902.00	2.70	62.78	IncAzi-MWD	Scientific Drilling

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	06/21/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/21/2010	8,206.00	.75	.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.

[Signature]

Subscribed and sworn to me this August 23, 2010

[Signature: Crystal L. Tafey]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

RCVD AUG 24 '10

OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 21-T30N-R5W

SJ 30-5 #51N

API # 30039.30920

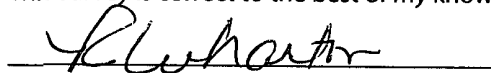
Original Hole

Survey: Actual

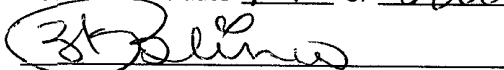
Standard Survey Report

13 July, 2010

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



Notorized this date 14 of July, 2010.



Notary Signature
County of Midland
State of Texas

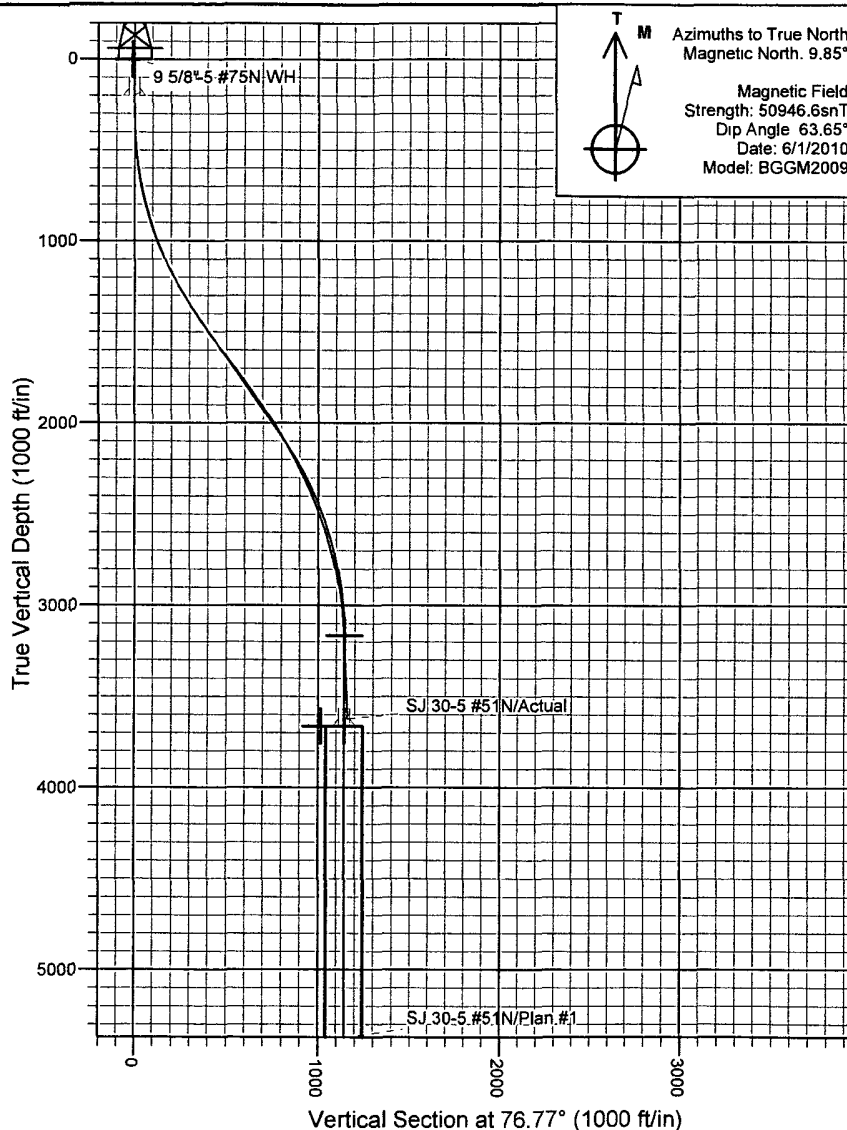




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
SEC 21-T30N-R5W
Well: SJ 30-5 #51N
Wellbore: Original Hole
Design: Plan #1
Site:

ConocoPhillips

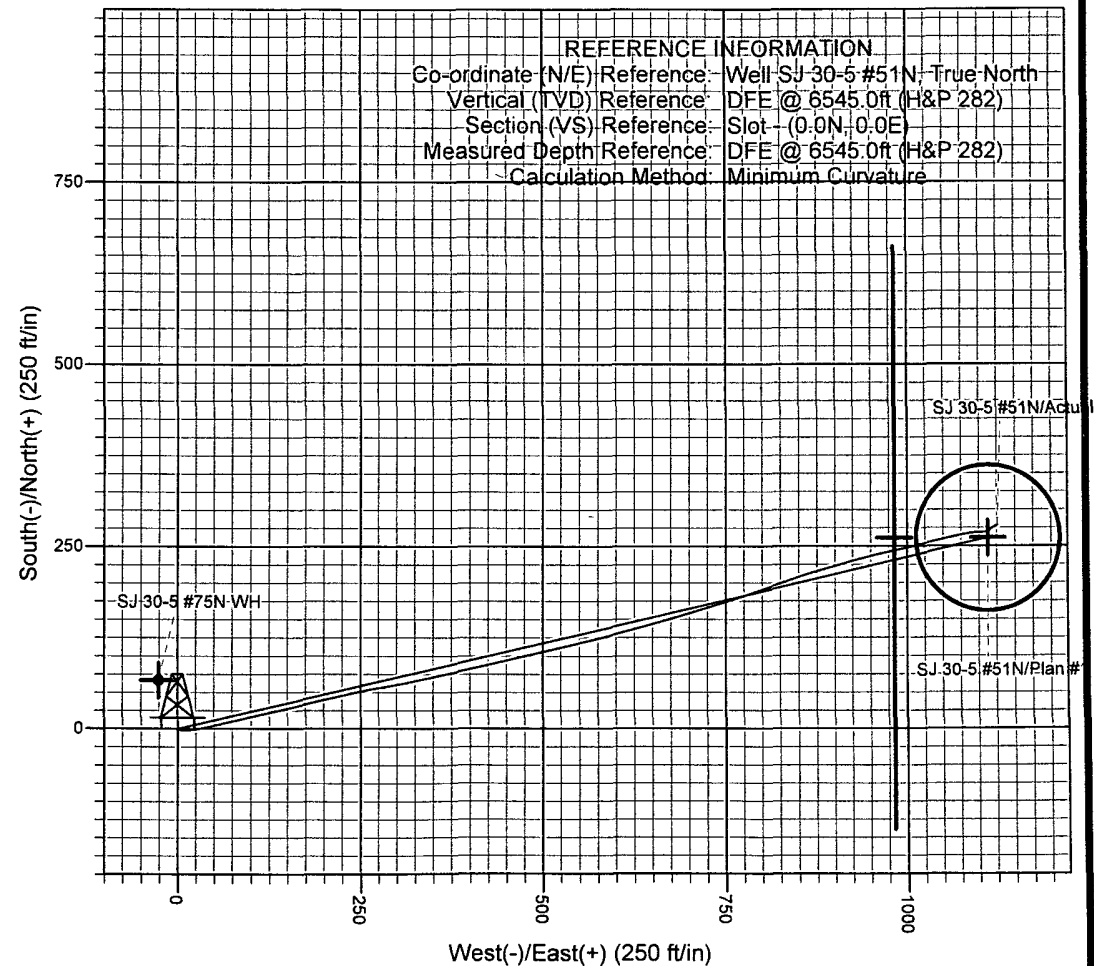


Azimuths to True North
Magnetic North. 9.85°

Magnetic Field
Strength: 50946.6snT
Dip Angle: 63.65°
Date: 6/1/2010
Model: BGGM2009

+N/-S	+E/-W	Northing
0.0	0.0	2109868.10

WELL DETAILS: SJ 30-5 #51N		Slot
DFE @ 6545.0ft (H&P 282)		
Ground Level: 6529.0		
Easting	Latitude	Longitude
173361.92	36° 47' 35.671 N	107° 21' 55.982 W



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 30-5 #51N- True North
Vertical (TVD) Reference: DFE @ 6545.0ft (H&P 282)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: DFE @ 6545.0ft (H&P 282)
Calculation Method: Minimum Curvature

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 21-T30N-R5W
Rio Arriba County NM
Site Centre Latitude: 36° 47' 35.671 N
Longitude: 107° 21' 55.982 W
Positional Uncertainty: 0.0
Convergence: -0.67
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #51N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6545 0ft (H&P 282)
Site:	SEC 21-T30N-R5W	MD Reference:	DFE @ 6545.0ft (H&P 282)
Well:	SJ 30-5 #51N	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 21-T30N-R5W		
Site Position:		Northing:	2,109,868 10 ft
From:	Lat/Long	Easting:	173,361 92 ft
Position Uncertainty:	0 0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 47' 35 671 N
		Longitude:	107° 21' 55.982 W
		Grid Convergence:	-0 67 °

Well	SJ 30-5 #51N, S-Type MV/DK Well		
Well Position	+N/-S	0 0 ft	Northing: 2,109,868 10 ft
	+E/-W	0 0 ft	Easting: 173,361.92 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 47' 35 671 N
		Longitude:	107° 21' 55 982 W
		Ground Level:	6,529.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	6/1/2010	9 85	63.65	50,947

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	76 10

Survey Program		Date 7/13/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
264 0	3,902 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
264.0	0.49	254.49	264.0	-0.3	-1.1	-1.1	0.19	0.19	0.00
326.0	0.93	114.15	326.0	-0.6	-0.9	-1.0	2.17	0.71	-226.36
386.0	2.89	100.61	386.0	-1.1	1.0	0.8	3.33	3.27	-22.57
448.0	4.66	94.72	447.8	-1.6	5.1	4.6	2.92	2.85	-9.50
510.0	6.45	89.00	509.5	-1.7	11.1	10.4	3.02	2.89	-9.23
570.0	7.99	86.18	569.1	-1.4	18.6	17.7	2.63	2.57	-4.70
631.0	9.64	82.35	629.3	-0.4	27.9	27.0	2.87	2.70	-6.28
692.0	11.58	77.87	689.3	1.6	39.0	38.2	3.45	3.18	-7.34
754.0	13.31	76.61	749.8	4.5	52.0	51.6	2.82	2.79	-2.03
847.0	15.29	76.22	839.9	9.9	74.3	74.5	2.13	2.13	-0.42
938.0	18.32	76.55	927.0	16.1	99.9	100.8	3.33	3.33	0.36
1,028.0	21.16	77.48	1,011.7	22.9	129.5	131.2	3.17	3.16	1.03

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #51N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6545.0ft (H&P 282)
Site:	SEC 21-T30N-R5W	MD Reference:	DFE @ 6545.0ft (H&P 282)
Well:	SJ 30-5 #51N	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)
1,118.0	23.80	76.79	1,094.9	30.6	163.0	165.6	2.95	2.93	-0.77
1,208.0	26.44	76.21	1,176.4	39.5	200.2	203.8	2.95	2.93	-0.64
1,299.0	29.07	77.91	1,256.9	49.0	241.5	246.2	3.02	2.89	1.87
1,389.0	31.31	79.95	1,334.7	57.7	285.9	291.4	2.74	2.49	2.27
1,479.0	34.18	77.60	1,410.4	67.2	333.6	340.0	3.49	3.19	-2.61
1,569.0	35.18	76.98	1,484.4	78.4	383.6	391.2	1.18	1.11	-0.69
1,659.0	36.07	76.87	1,557.6	90.3	434.6	443.6	0.99	0.99	-0.12
1,749.0	36.14	76.84	1,630.3	102.4	486.3	496.6	0.08	0.08	-0.03
1,839.0	36.14	76.27	1,702.9	114.7	537.9	549.7	0.37	0.00	-0.63
1,929.0	36.29	75.74	1,775.6	127.6	589.5	602.9	0.39	0.17	-0.59
2,019.0	36.04	74.66	1,848.2	141.1	640.9	656.0	0.76	-0.28	-1.20
2,109.0	33.83	73.01	1,922.0	155.4	690.4	707.5	2.67	-2.46	-1.83
2,199.0	32.48	72.53	1,997.3	170.0	737.4	756.6	1.53	-1.50	-0.53
2,289.0	30.47	71.74	2,074.1	184.4	782.1	803.5	2.28	-2.23	-0.88
2,380.0	28.78	70.36	2,153.2	199.0	824.6	848.3	2.00	-1.86	-1.52
2,470.0	26.73	72.74	2,232.8	212.3	864.4	890.1	2.59	-2.28	2.64
2,560.0	25.49	74.46	2,313.7	223.5	902.4	929.6	1.61	-1.38	1.91
2,650.0	23.09	74.56	2,395.7	233.4	938.0	966.6	2.67	-2.67	0.11
2,739.0	20.42	77.90	2,478.3	241.3	970.1	999.6	3.31	-3.00	3.75
2,829.0	18.67	76.85	2,563.2	247.9	999.4	1,029.7	1.98	-1.94	-1.17
2,919.0	16.38	76.42	2,649.0	254.1	1,025.8	1,056.8	2.55	-2.54	-0.48
3,009.0	14.03	77.74	2,735.8	259.4	1,048.8	1,080.4	2.64	-2.61	1.47
3,099.0	11.90	76.81	2,823.5	263.9	1,068.5	1,100.6	2.38	-2.37	-1.03
3,189.0	9.32	81.72	2,912.0	267.0	1,084.7	1,117.1	3.04	-2.87	5.46
3,279.0	6.27	86.13	3,001.1	268.4	1,096.9	1,129.2	3.45	-3.39	4.90
3,369.0	3.60	86.22	3,090.8	268.9	1,104.6	1,136.8	2.97	-2.97	0.10
3,459.0	2.48	81.31	3,180.7	269.4	1,109.3	1,141.6	1.28	-1.24	-5.46
3,549.0	2.35	56.45	3,270.6	270.7	1,112.8	1,145.2	1.16	-0.14	-27.62
3,639.0	2.46	56.06	3,360.5	272.8	1,115.9	1,148.8	0.12	0.12	-0.43
3,730.0	2.59	59.34	3,451.4	275.0	1,119.3	1,152.6	0.21	0.14	3.60
3,820.0	2.74	62.10	3,541.3	277.0	1,123.0	1,156.6	0.22	0.17	3.07
3,902.0	2.70	62.78	3,623.2	278.8	1,126.4	1,160.4	0.06	-0.05	0.83