

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 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 - 7 Copies
Fee Lease - 3 Copies

"AS DRILLED" PLAT

☐ AMENDED REPORT

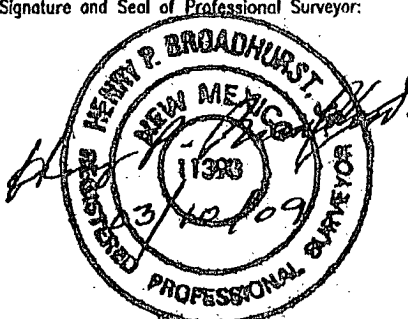
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30921		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE					
⁴ Property Code 31327		⁵ Property Name SAN JUAN 30-5 UNIT						⁶ Well Number 90P	
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY						⁹ Elevation 6661	
¹⁰ SURFACE LOCATION									
UL or lot no. P	Section 22	Township 30-N	Range 5-W	Lot Idn	Feet from the 658	North/South line SOUTH	Feet from the 1147	East/West line EAST	County RIO ARRIBA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. O	Section 22	Township 30-N	Range 5-W	Lot Idn	Feet from the 564'	North/South line SOUTH	Feet from the 2016'	East/West line EAST	County RIO ARRIBA
¹² Dedicated Acres 320.00		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

RCUD DEC 1 '10
OIL CONC. DIV.

DIST. 3

¹⁶		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>Dollie L. Busse</i> Signature	
		Dollie L. Busse Printed Name	
		Staff Regulatory Technician Title and E-mail Address	
		November 22, 2010 Date	
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: 2/18/09 Signature and Seal of Professional Surveyor:			
			
Certificate Number: NM 11393			

E/2 DEDICATED ACREAGE
USA SF-078739
SECTION 22,
T-30-N, R-5-W

WELL FLAG
NAD 83
LAT: 36.792727° N
LONG: 107.339630° W
NAD 27
LAT: 36°47.563212' N
LONG: 107°20.341754' W

BOTTOM HOLE
NAD 83
LAT:
LONG:
NAD 27
LAT:
LONG:

S 84°50'10" W
851.1'

1147'

2016'

564'

658'

N 89°46' E
N 89°45'34" E

2640.0' (R)
2642.6' (M)

GLO 1916

GLO 1916

N 0°03' E
N 0°19'20" W

Legal WellName : SAN JUAN 30-5 UNIT #90P	API / UWI: 3003930921
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 022-030N-005W-P
St/Prov: NEW MEXICO	N/S Dist (ft): 658.00 - FSL
County: RIO ARRIBA	E/W Dist (ft): 1,147.00 - FEL

Wellbore Name : Original Hole

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	08/24/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
08/24/2010	130.00	1.00	.00	Inc-Drop	MO-TE DRILLING INC
08/24/2010	239.00	1.00	.00	Inc-Drop	MO-TE DRILLING INC

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DIRECTIONAL SURVEY	09/04/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
09/04/2010	266.00	.12	319.28	IncAzi-MWD	Scientific Drilling
09/04/2010	327.00	.77	260.12	IncAzi-MWD	Scientific Drilling
09/04/2010	389.00	2.55	281.60	IncAzi-MWD	Scientific Drilling
09/04/2010	450.00	4.53	282.87	IncAzi-MWD	Scientific Drilling
09/04/2010	511.00	6.70	284.21	IncAzi-MWD	Scientific Drilling
09/04/2010	571.00	9.03	282.18	IncAzi-MWD	Scientific Drilling
09/04/2010	633.00	10.72	280.65	IncAzi-MWD	Scientific Drilling
09/04/2010	693.00	12.41	279.11	IncAzi-MWD	Scientific Drilling
09/04/2010	772.00	15.48	279.27	IncAzi-MWD	Scientific Drilling
09/04/2010	862.00	18.05	277.69	IncAzi-MWD	Scientific Drilling
09/04/2010	952.00	20.48	273.64	IncAzi-MWD	Scientific Drilling
09/04/2010	1,042.00	22.96	269.00	IncAzi-MWD	Scientific Drilling
09/05/2010	1,133.00	25.38	263.27	IncAzi-MWD	Scientific Drilling
09/05/2010	1,223.00	28.41	263.01	IncAzi-MWD	Scientific Drilling
09/05/2010	1,313.00	30.51	264.31	IncAzi-MWD	Scientific Drilling
09/05/2010	1,404.00	31.47	264.48	IncAzi-MWD	Scientific Drilling
09/05/2010	1,494.00	31.16	263.05	IncAzi-MWD	Scientific Drilling
09/05/2010	1,584.00	31.05	260.75	IncAzi-MWD	Scientific Drilling
09/05/2010	1,675.00	29.85	261.06	IncAzi-MWD	Scientific Drilling
09/05/2010	1,765.00	29.21	260.14	IncAzi-MWD	Scientific Drilling
09/05/2010	1,855.00	28.36	258.91	IncAzi-MWD	Scientific Drilling
09/05/2010	1,945.00	27.68	256.07	IncAzi-MWD	Scientific Drilling
09/05/2010	2,036.00	26.17	254.11	IncAzi-MWD	Scientific Drilling
09/05/2010	2,126.00	25.81	251.51	IncAzi-MWD	Scientific Drilling
09/05/2010	2,216.00	21.94	250.34	IncAzi-MWD	Scientific Drilling
09/05/2010	2,306.00	18.42	250.51	IncAzi-MWD	Scientific Drilling
09/05/2010	2,396.00	14.79	255.77	IncAzi-MWD	Scientific Drilling

09/06/2010	2,486.00	13.20	257.67	IncAzi-MWD	Scientific Drilling
09/06/2010	2,576.00	13.13	263.58	IncAzi-MWD	Scientific Drilling
09/06/2010	2,666.00	11.61	265.75	IncAzi-MWD	Scientific Drilling
09/06/2010	2,757.00	10.42	265.37	IncAzi-MWD	Scientific Drilling
09/06/2010	2,847.00	9.08	260.50	IncAzi-MWD	Scientific Drilling
09/06/2010	2,937.00	5.20	262.35	IncAzi-MWD	Scientific Drilling
09/06/2010	3,027.00	3.55	269.07	IncAzi-MWD	Scientific Drilling
09/06/2010	3,117.00	1.46	282.96	IncAzi-MWD	Scientific Drilling
09/06/2010	3,207.00	.66	354.84	IncAzi-MWD	Scientific Drilling
09/06/2010	3,297.00	.55	10.64	IncAzi-MWD	Scientific Drilling
09/06/2010	3,387.00	.59	15.46	IncAzi-MWD	Scientific Drilling
09/06/2010	3,477.00	.51	23.18	IncAzi-MWD	Scientific Drilling
09/06/2010	3,567.00	.81	344.78	IncAzi-MWD	Scientific Drilling
09/07/2010	3,657.00	.91	334.58	IncAzi-MWD	Scientific Drilling
09/07/2010	3,747.00	.95	330.13	IncAzi-MWD	Scientific Drilling
09/07/2010	3,837.00	.94	335.88	IncAzi-MWD	Scientific Drilling
09/07/2010	3,927.00	1.00	332.15	IncAzi-MWD	Scientific Drilling
09/07/2010	4,017.00	.99	338.27	IncAzi-MWD	Scientific Drilling
09/07/2010	4,107.00	.91	340.29	IncAzi-MWD	Scientific Drilling
09/07/2010	4,197.00	.75	333.48	IncAzi-MWD	Scientific Drilling
09/07/2010	4,263.00	.78	342.99	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	09/13/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
09/13/2010	8,183.00	1.00	.00	Inc-WL	Phoenix Services LLC

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.

Alvin S. L.

Subscribed and sworn to me this 11/22/2010

Della J. Busse

Notary Public in and for San Juan County, New Mexico

My Commission expires 8/6/2014

ConocoPhillips

SJB (NM Central)
SEC 22-T30N-R5W
SJ 30-5 #90P
Original Hole

RCVD DEC 1 '10

OIL CONS. DIV.

DIST. 3

Survey: Actual

SDI Standard Survey Report

08 October, 2010

API - 30-039-30921

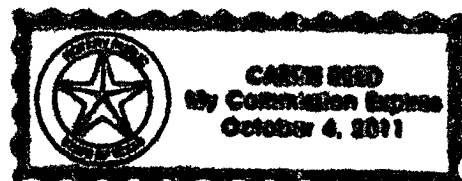
This survey is correct to the best of my knowledge and is supported by actual field data.

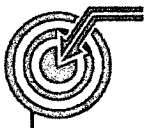
Wharton

Notorized this date 13th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



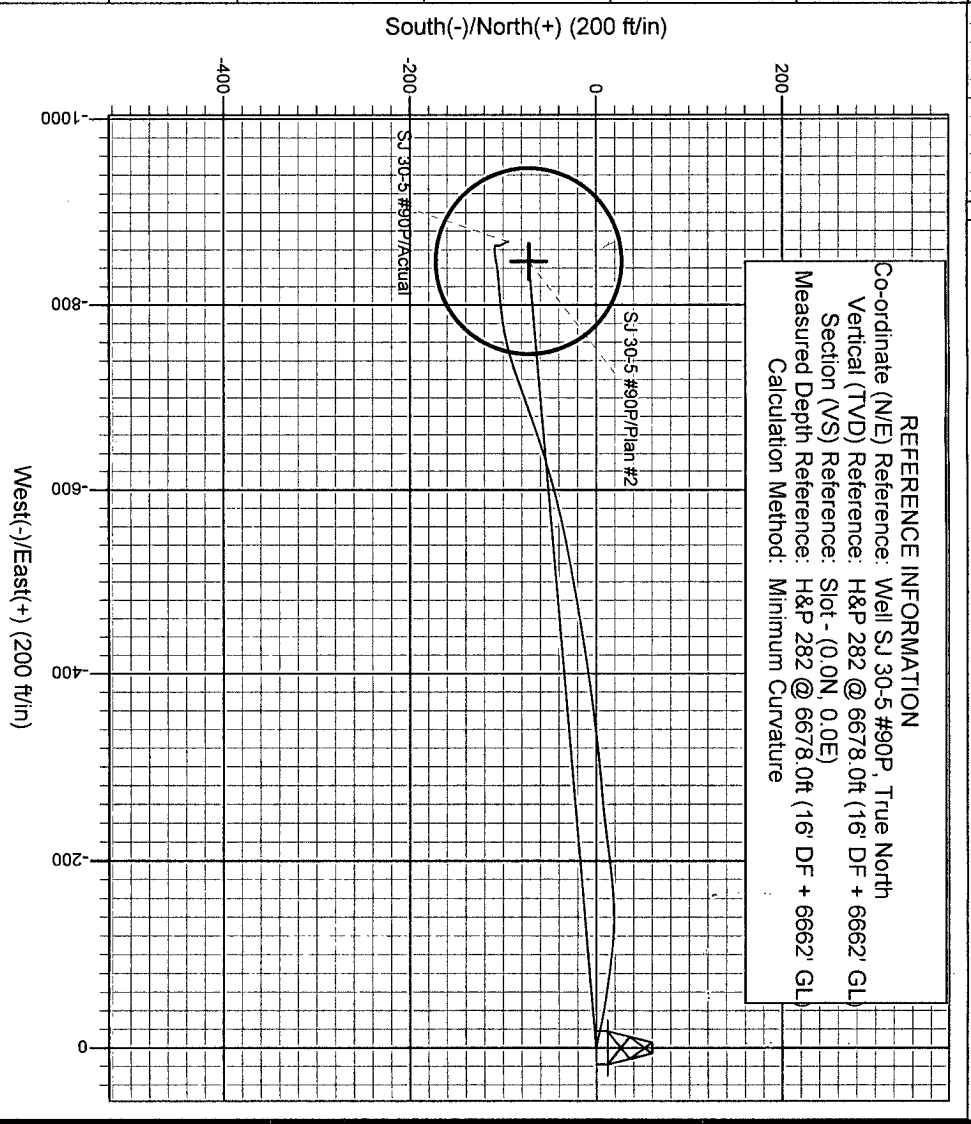
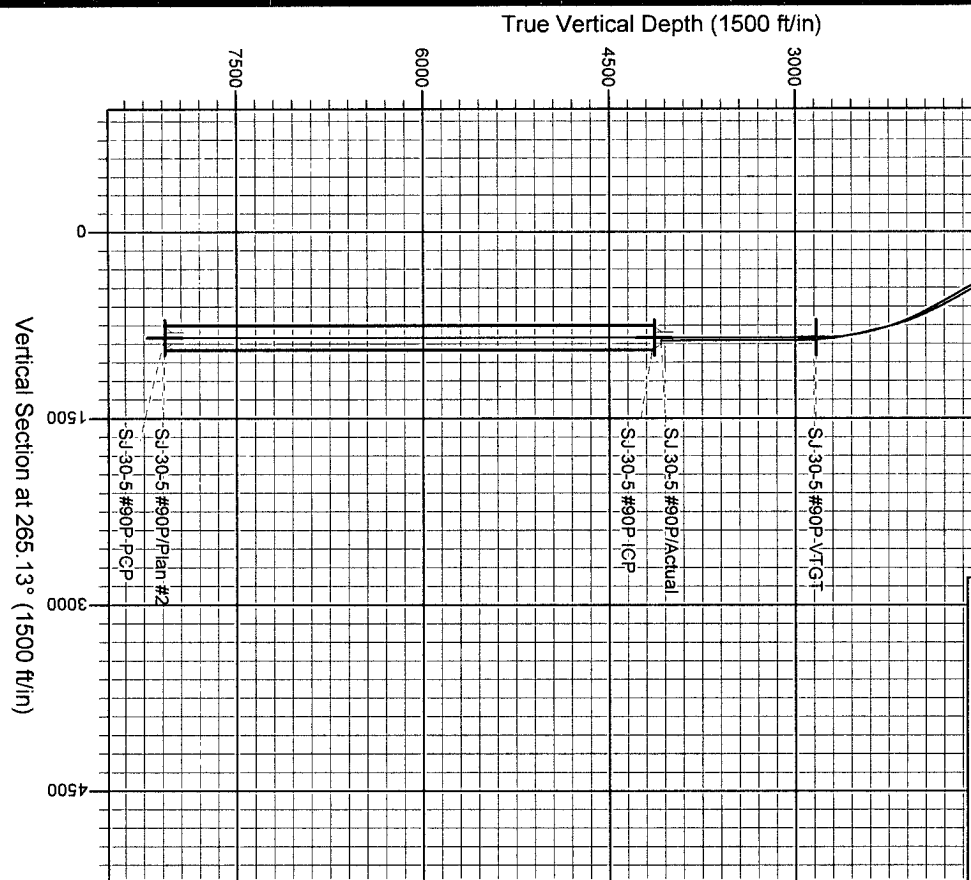


Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
Site: SEC 22-T30N-R5W
Well: SJ 30-5 #90P
Wellbore: Original Hole
Design: Plan #2



+N/-S	+E/-W	Nothing	Well Details: SJ 30-5 #90P	Slot
0.0	0.0	2109588.66	H&P 282 @ 6678.0ft (16' DF + 6662' GL)	
			Ground Level: 6662.0	
			Easting 181125.08	
			Latitude 36° 47' 33.793 N	
			Longitude 107° 20' 20.512 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 22-T30N-R5W
Rio Arriba County NM
Site Centre Latitude: 36° 48' 14.820 N
Longitude: 107° 20' 41.808 W
Positional Uncertainty: 7.5
Convergence: -0.66
Local North: True

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #90P
Project:	SJB (NM Central)	TVD Reference:	H&P 282 @ 6678.0ft (16' DF + 6662' GL)
Site:	SEC 22-T30N-R5W	MD Reference:	H&P 282 @ 6678.0ft (16' DF + 6662' GL)
Well:	SJ 30-5 #90P	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 22-T30N-R5W			
Site Position:		Northing:	2,113,757.44 ft	Latitude:	36° 48' 14.820 N
From:	Lat/Long	Easting:	179,440.38 ft	Longitude:	107° 20' 41.808 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.66 °

Well	SJ 30-5 #90P, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,109,588.66 ft	Latitude:	36° 47' 33.793 N
	+E/-W	0.0 ft	Easting:	181,125.08 ft	Longitude:	107° 20' 20.512 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,662.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	8/24/2010	9.81	63.64	50,901

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	263.82

Survey Program	Date	10/8/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
266.0	4,263.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0		
266.0	0.12	319.28	266.0	0.2	-0.2	319.28	0.3		
327.0	0.77	260.12	327.0	0.2	-0.6	286.79	0.7		
389.0	2.55	281.60	389.0	0.4	-2.4	279.39	2.4		
450.0	4.53	282.87	449.9	1.2	-6.1	281.23	6.2		
511.0	6.70	284.21	510.6	2.6	-11.9	282.43	12.2		
571.0	9.03	282.18	570.0	4.5	-19.9	282.68	20.4		
633.0	10.72	280.65	631.1	6.6	-30.3	282.22	31.0		
693.0	12.41	279.11	689.8	8.6	-42.1	281.55	43.0		
772.0	15.48	279.27	766.5	11.7	-60.9	280.83	62.0		
862.0	18.05	277.69	852.7	15.5	-86.6	280.12	88.0		
952.0	20.48	273.64	937.6	18.3	-116.1	278.97	117.6		

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-5 #90P
Project:	SJB (NM Central)	TVD Reference:	H&P 282 @ 6678.0ft (16' DF + 6662' GL)
Site:	SEC 22-T30N-R5W	MD Reference:	H&P 282 @ 6678.0ft (16' DF + 6662' GL)
Well:	SJ 30-5 #90P	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (ft)	East/West (ft)	Closure Azimuth (°)	Closure Distance (ft)
1,042.0	22.96	269.00	1,021.2	19.0	-149.4	277.25	150.6
1,133.0	25.38	263.27	1,104.3	16.4	-186.5	275.03	187.3
1,223.0	28.41	263.01	1,184.5	11.6	-227.0	272.91	227.2
1,313.0	30.51	264.31	1,262.9	6.7	-270.9	271.41	271.0
1,404.0	31.47	264.48	1,340.9	2.1	-317.6	270.38	317.6
1,494.0	31.16	263.05	1,417.8	-3.0	-364.1	269.53	364.1
1,584.0	31.05	260.75	1,494.8	-9.5	-410.1	268.67	410.2
1,675.0	29.85	261.06	1,573.3	-16.8	-455.6	267.89	455.9
1,765.0	29.21	260.14	1,651.6	-24.1	-499.4	267.24	500.0
1,855.0	28.36	258.91	1,730.5	-31.9	-542.0	266.63	542.9
1,945.0	27.68	256.07	1,809.9	-41.1	-583.3	265.97	584.7
2,036.0	26.17	254.11	1,891.1	-51.7	-623.1	265.26	625.2
2,126.0	25.81	251.51	1,972.0	-63.3	-660.8	264.53	663.8
2,216.0	21.94	250.34	2,054.3	-75.2	-695.2	263.83	699.2
2,306.0	18.42	250.51	2,138.7	-85.6	-724.4	263.26	729.5
2,396.0	14.79	255.77	2,225.0	-93.2	-749.0	262.91	754.8
2,486.0	13.20	257.67	2,312.3	-98.2	-770.2	262.74	776.4
2,576.0	13.13	263.58	2,399.9	-101.5	-790.4	262.68	796.9
2,666.0	11.61	265.75	2,487.8	-103.3	-809.5	262.73	816.1
2,757.0	10.42	265.37	2,577.2	-104.7	-826.9	262.79	833.5
2,847.0	9.08	260.50	2,665.9	-106.5	-842.0	262.79	848.7
2,937.0	5.20	262.35	2,755.1	-108.2	-853.1	262.77	859.9
3,027.0	3.55	269.07	2,844.9	-108.8	-859.9	262.79	866.7
3,117.0	1.46	282.96	2,934.8	-108.6	-863.8	262.84	870.6
3,207.0	0.66	354.84	3,024.8	-107.8	-864.9	262.90	871.6
3,297.0	0.55	10.64	3,114.8	-106.9	-864.9	262.96	871.5
3,387.0	0.59	15.46	3,204.8	-106.0	-864.7	263.01	871.2
3,477.0	0.51	23.18	3,294.8	-105.2	-864.4	263.06	870.8
3,567.0	0.81	344.78	3,384.7	-104.2	-864.4	263.13	870.7
3,657.0	0.91	334.58	3,474.7	-102.9	-864.9	263.21	871.0
3,747.0	0.95	330.13	3,564.7	-101.7	-865.6	263.30	871.5
3,837.0	0.94	335.88	3,654.7	-100.3	-866.3	263.39	872.1
3,927.0	1.00	332.15	3,744.7	-99.0	-866.9	263.49	872.6
4,017.0	0.99	338.27	3,834.7	-97.5	-867.6	263.59	873.1
4,107.0	0.91	340.29	3,924.7	-96.2	-868.1	263.68	873.4
4,197.0	0.75	333.48	4,014.7	-95.0	-868.6	263.76	873.8
4,263.0	0.78	342.99	4,080.7	-94.1	-868.9	263.82	874.0